



Columbia University
Bulletin of Information

BARNARD COLLEGE

ANNOUNCEMENT

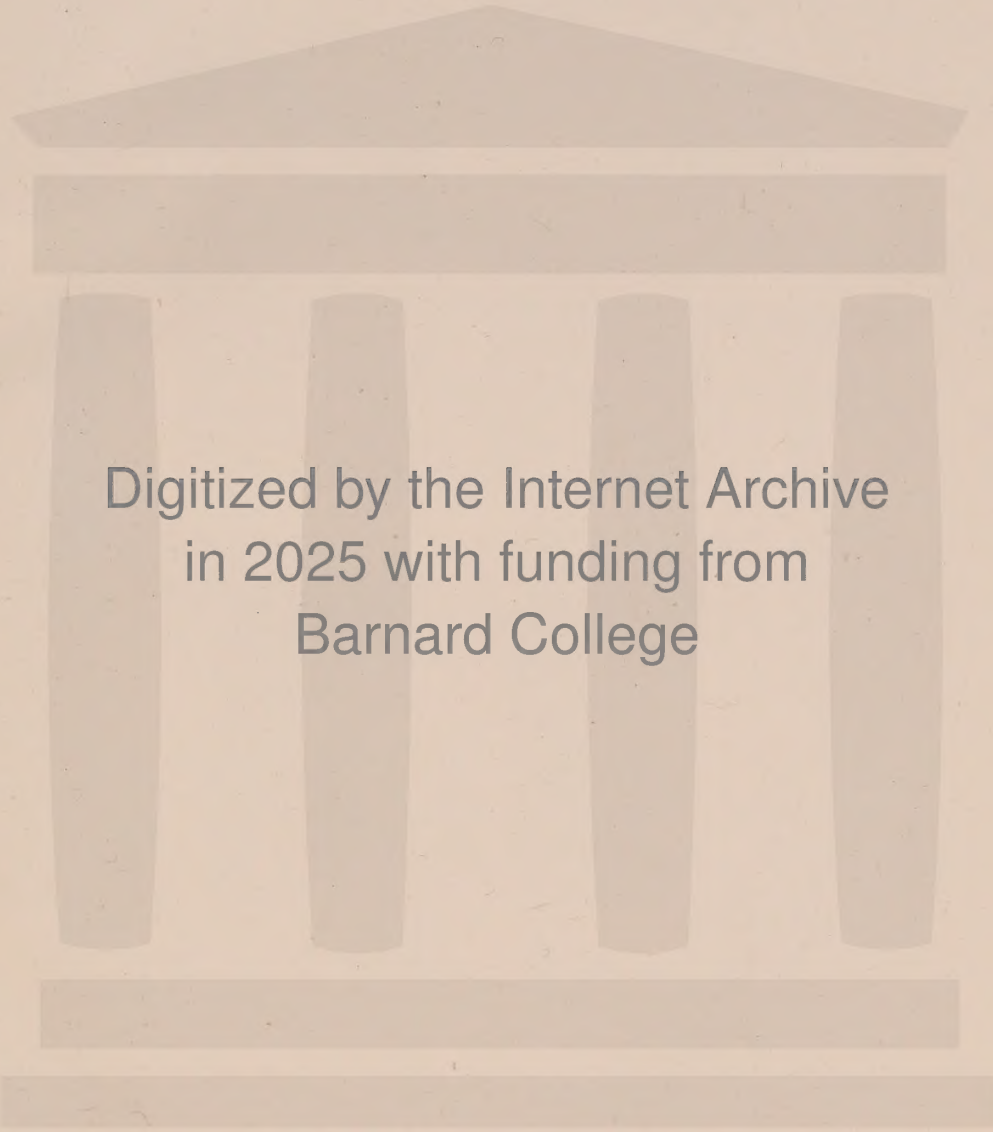
1944—1945

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BARNARD COLLEGE
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BARNARD HALL, BARNARD COLLEGE

Columbia University
in the City of New York

BARNARD COLLEGE

1944—1945



MORNINGSIDE HEIGHTS
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Form of Bequest

To Barnard College I give and bequeath the sum of \$. for the uses and purposes of said Corporation.

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(Alumnae Trustee 1943-1947)	Upper Montclair, New Jersey

* Absent on war service.

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1944

NOTE. The date after each name indicates the expiration of the term of office.

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[Donors who had given \$5,000 or more to Barnard College by the time of its
Fiftieth Anniversary have been enrolled as Founders.]

- | | |
|--|--|
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|--|--|

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9

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 Mrs. MAX WALLERSTEIN
 EUGENE MEYER
 Mrs. ARTHUR HAYS SULZBERGER
 HELEN HARTLEY GEER
 Mrs. ARTHUR LEHMAN

* Deceased.

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HARRY L. HOLLINGWORTH, Ph.D., LL.D.	Professor of Psychology
WILLIAM HALLER, Ph.D.	Professor of English
CLARE M. HOWARD, Ph.D.	Associate Professor of English
GEORGE WALKER MULLINS, Ph.D., LL.D.	Professor of Mathematics
AGNES R. WAYMAN, A.M., Pd.D.	Associate Professor of Physical Education
HUGH WILEY PUCKETT, Ph.D.	Professor of German
RAYMOND MOLEY, Ph.D., LL.D.	Professor of Public Law
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FLORENCE DE LOISELLE LOWTHER, Ph.D.	Associate Professor of Zoölogy
ELIZABETH FAULKNER BAKER, Ph.D.	Associate Professor of Economics
HORACE L. FRIESS, Ph.D.	Associate Professor of Philosophy
DOUGLAS MOORE, A.B., Mus.B.	Professor of Music
ROBERT M. MACIVER, Ph.D., Litt.D.	Lieber Professor of Political Philosophy and Sociology
GLADYS A. REICHARD, Ph.D.	Associate Professor of Anthropology
PETER M. RICCIO, Ph.D.	Assistant Professor of Italian
CORNELIA L. CAREY, Ph.D.	Associate Professor of Botany
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MINOR W. LATHAM, Ph.D.	Professor of English
PAUL A. SMITH, Ph.D.	Associate Professor of Mathematics
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MARION LAWRENCE, Ph.D.	Assistant Professor of Fine Arts
*ELIZABETH REYNARD, B.Litt. (Oxon.)	Assistant Professor of English
WILLARD WALLER, Ph.D.	Associate Professor of Sociology
*HENRY A. BOORSE, Ph.D.	Associate Professor of Physics

¹ Absent on leave, Spring Session.

* Absent on war service.

FACULTY

11

JANE PERRY CLARK CAREY, Ph.D.	Assistant Professor of Government
MARION STRENG, A.M.	Assistant Professor of Physical Education
JOHN DAY, Ph.D.	Assistant Professor of Greek and Latin
*HAROLD C. BOLD, Ph.D.	Assistant Professor of Botany
*RAYMOND J. SAULNIER, Ph.D.	Assistant Professor of Economics
*RICHARD PARDEE YOUTZ, Ph.D.	Assistant Professor of Psychology
HENRY S. SHARP, Ph.D.	Assistant Professor of Geology
EDGAR R. LORCH, Ph.D.	Assistant Professor of Mathematics
VIRGINIA D. HARRINGTON, Ph.D.	Assistant Professor of History
MARGARET HOLLAND, A.M.	Assistant Professor of Physical Education
AMELIA A. DE DEL RÍO, A.M.	Assistant Professor of Spanish
HELEN R. DOWNES, Ph.D.	Assistant Professor of Chemistry
JOHN A. MOORE, Ph.D.	Assistant Professor of Zoölogy
OTTO LUENING	Associate Professor of Music on the Joline Foundation
JULIUS HELD, Ph.D.	Assistant Professor of Fine Arts
S. STANSFELD SARGENT, Ph.D.	Assistant Professor of Psychology
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GULIELMA F. ALSOP, M.D.	College Physician
LORNA F. MCGUIRE, Ph.D.	Associate in English
L. CARRINGTON GOODRICH, Ph.D.,	Acting Director of University Admissions

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GELOLO MCHUGH, Ph.D.	Instructor in Psychology
*ELSPETH V. DAVIES, A.M.	Instructor in American Studies
ANDRÉS IDUARTE, L. en D.	Instructor in Spanish
MARY ELIZABETH LADUE, Ph.D.	Instructor in Mathematics
TOM GAYLORD ANDREWS, Ph.D.	Instructor in Psychology
WINONA STONE, M.S.	Instructor in Botany
SARA DE FORD, Ph.D.	Instructor in English

* Absent on war service.

MARJORIE COOGAN, Ph.D.	<i>Instructor in English</i>
MARION ARMBRUSTER, Ph.D.	<i>Instructor in Chemistry</i>
JAMES MERRY, Ph.D.	<i>Instructor in Botany</i>
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	<i>Instructor in Physical Education</i>
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LUCIA S. FISHER, A.B.	<i>Lecturer in Chemistry</i>
AGNES TOWNSEND, Ph.D.	<i>Lecturer in Physics</i>
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HELEN SEARLS, A.M.	<i>Lecturer in Greek and Latin</i>
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MURIEL BOWDEN, A.M.	<i>Lecturer in English</i>
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HILDEGARDE KNEELAND, Ph.D.	<i>Lecturer in Economics</i>
ROBERTA MORGAN, A.M.	<i>Lecturer in English</i>
JANET ROBB, Ph.D.	<i>Lecturer in Government</i>
HELEN CARLSON, A.M.	<i>Lecturer in French</i>
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ANNETTE H. HERVEY, A.M.	<i>Assistant in Botany</i>
PATRICIA COLLINS, A.B.	<i>Assistant in Botany</i>
PHYLLIS M. DUNBAR, A.B.	<i>Assistant in Chemistry</i>
EMILY GUNNING, A.B.	<i>Assistant in Economics and Sociology</i>
ELEANOR J. CROSBY, M.S.	<i>Assistant in Geology</i>
MARINA SALVIN, A.B.	<i>Assistant in Government</i>
	<i>Assistant in Physics</i>
BERNICE M. WENZEL, A.M.	<i>Assistant in Psychology</i>
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GEORGIANNA GREVATT, A.M.	<i>Assistant in Zoölogy</i>
STATA NORTON, A.B.	<i>Assistant in Zoölogy</i>
ELIZABETH H. MILLS, A.B.	<i>Assistant in Zoölogy</i>
	<i>Assistant in Zoölogy</i>

Other Officers of the University and Professors from other institutions who give part-time instruction in Barnard College will be found in the lists at the head of departmental announcements.

Professors Emeritus

IDA H. OGILVIE, Ph.D. Professor Emeritus of Geology
WILHELM A. BRAUN, Ph.D.

Professor Emeritus of the Germanic Languages and Literatures

WILLIAM T. BREWSTER, A.M., Litt.D. . . . Professor Emeritus of English

HENRY E. CRAMPTON, Ph.D., Sc.D. . . . Professor Emeritus of Zoölogy

GERTRUDE M. HIRST, Ph.D., M.A. (Cantab.)

Professor Emeritus of Greek and Latin

Barnard Representatives on the University Council

The DEAN (*ex officio*), Professor REIMER (serving until June, 1944), and Professor MULLINS (serving until June, 1945).

Barnard Representatives on the University Committee on Admissions

Professor GOODRICH, *chairman*, and the DEAN (*ex officio*).

MEMBERS OF BARNARD SUB-COMMITTEE: Professor LATHAM, DR. McGUIRE AND MRS. DEL RÍO.

Standing Committees of the Faculty

COMMITTEE ON INSTRUCTION: The DEAN, *chairman*, Professors REIMER, PARKHURST, CAREY, GREET, PEARDON, SHARP and BAKER, DR. McGUIRE, and Associate Dean GREGORY (*ex officio*).

COMMITTEE ON SCHOLARSHIPS: The DEAN, *chairman*, Professors HOLZWASSER and HARRINGTON, DR. McGUIRE, DR. EVANSON, DR. KOMAROVSKY and DR. ELIOT.

COMMITTEE ON HONORS: The DEAN, *chairman*, Professors HOLLINGWORTH, REICHARD, LATHAM, BYRNE and LORCH.

COMMITTEE ON STUDENT AFFAIRS: The DEAN, *chairman*, Professors HOLLINGWORTH and GREET, DR. RICH, MRS. BAILEY and Professor HARRINGTON, *secretary and executive officer*.

COMMITTEE ON SCHEDULE OF HOURS: Associate Dean GREGORY, *chairman*, Professors MULLINS and LOWTHER, and the DEAN (*ex officio*).

COMMITTEE ON TRANSFERS: Professor LOWTHER, *chairman*, Professors PUCKETT and LAWRENCE, DR. MARSH, and the DEAN (*ex officio*).

COMMITTEE ON THE FOREIGN LANGUAGE REQUIREMENT: Associate Dean GREGORY, *chairman*, Professors PUCKETT, LEDUC and GREET, and the DEAN (*ex officio*).

COMMITTEE ON NATIONAL SERVICE: PROFESSOR PEARDON, *chairman*, Professors GREGORY, PUCKETT and CAREY, DR. SARGENT, MRS. BAILEY, DR. LADUE, and Professor HARRINGTON (*ex officio*).

Officers of Administration

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 GULIELMA F. ALSOP, M.D. College Physician
 MARY V. LIBBY, A.B. . . . Assistant to the Dean — Admissions, Information
 HELEN P. ABBOTT, A.M. . . . Assistant to the Dean — Residence Halls
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 JOHN J. SWAN, M.E. Comptroller
 HELEN ERSKINE, A.M. . . . Assistant to the Dean — Public Relations
 LORNA F. MCGUIRE, Ph.D. Freshman Adviser
 VIRGINIA D. HARRINGTON, Ph.D.

Assistant to the Dean — Student Organizations and Social Affairs

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 ELINORE E. FIERO Assistant Registrar
 WILLIAM HALLER, Ph.D. Acting Librarian
 THUSNELDA BRETTMAN Assistant Librarian
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 PAGE J. KARLING, A.B. Assistant Secretary of Admissions

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 *REV. STEPHEN F. BAYNE, Jr., S.T.M. Chaplain of the University
 WILLIAM H. MCCASTLINE, M.D. University Medical Officer

* Absent on war service.

Barnard College

GENERAL STATEMENT

COLUMBIA UNIVERSITY. — Columbia University had its origin in the royal charter granted by Letters Patent in the reign of George II, King of England, to the Governors of the College of the Province of New York, in the City of New York, in America, creating them a Body Corporate to erect and maintain a college to be known as King's College "for the Instruction and Education of Youth in the Learned Languages and Liberal Arts and Sciences"; with power to elect their successors, to hold property, to appoint a president, fellows, professors, and tutors, and to confer degrees.

Because of its early relationship to Trinity Church and the grant to King's College of a valuable tract of land which was a portion of the Queen's Farm, there has always existed a close relationship between the religious life of the College and the Protestant Episcopal Church. The services at the College Chapel are in accordance with the liturgy of that church.

The Revolutionary War interrupted the active work of the institution, but in 1784 it was reopened as Columbia College. In 1912 the title was changed to Columbia University in the City of New York.

The University at the present time consists of Columbia College, the undergraduate college of liberal arts for men, which offers a program of studies leading to the degree of Bachelor of Arts; the School of Law, with courses leading to the degrees of Bachelor of Laws, Master of Laws, and Doctor of the Science of Law; the College of Physicians and Surgeons, with courses leading to the degrees of Doctor of Medicine, Doctor of Medical Science, Doctor of Public Health, and Master of Science in public health, and with courses in nursing leading to the degree of Bachelor of Science, or to the diploma in nursing; the School of Engineering, with courses leading to the degree of Bachelor of Science, the several engineering degrees, and the degree of Master of Science; the School of Architecture, with courses leading to the degrees of Bachelor of Architecture and Master of Science; the School of Journalism, with courses leading to the degree of Master of Science; the School of Business, with courses leading to the degrees of Bachelor of Science and Master of Science; the School of Dental and Oral Surgery, with courses leading to the degree of Doctor of Dental Surgery; the School of Library Service, with courses leading to the degrees of Bachelor of Science and Master of Science; the nonprofessional Graduate Faculties of Political Science, Philosophy, and Pure Science, with courses leading to the degrees of Master of Arts and Doctor of Philosophy. Under the University Council the degree of Bachelor of Science is offered for completion of courses in general studies and for professional courses in Optometry. In addition to these schools and faculties, the University includes the independent corporations of Barnard College (1889), the undergraduate college for women, with courses leading to the degree of Bachelor of Arts; Teachers

College (1898), with courses offered under the Faculty of Teachers College leading to the degrees of Bachelor of Science, Master of Arts, and Master of Science; the Advanced School of Education in Teachers College (1935), with programs of study leading to the degree of Doctor of Education, and under the Department of Educational Research of the Faculty of Philosophy, to the degree of Doctor of Philosophy; the College of Pharmacy (1904), with courses leading to the degrees of Bachelor of Science and Master of Science; Bard College (1928), Annandale-on-Hudson, New York, an undergraduate college for men with courses leading to the degree of Bachelor of Arts; Union Theological Seminary (1928), whose faculty conducts certain University work leading to the degree of Master of Arts; New York Post-Graduate Medical School (1931), which offers advanced work in medicine, and the New York School of Social Work (1940), with courses leading to the degree of Master of Science.

The University maintains three sessions during the year: the Winter Session, beginning the last Wednesday of September and ending the first Tuesday of February; the Spring Session, beginning the first Wednesday of February and ending the second Wednesday of June; and the Summer Session, in which, during the emergency, courses under the several faculties and schools vary from three to fifteen weeks. Through its system of University Extension the opportunity is offered to men and women to pursue subjects included in a liberal education, and to take courses toward a diploma or an academic degree.

FOUNDING OF BARNARD COLLEGE. — Barnard is the undergraduate college for women of Columbia University. In 1889 a group of men and women, who wished to provide for women in the City of New York a college education fully equal to that offered to men, succeeded in obtaining the sanction of the Trustees of Columbia for the establishment of an affiliated woman's college. A charter was granted by the State of New York, and promises of subscriptions for the support of the college during the first four years of its existence were secured. Because President Frederick A. P. Barnard of Columbia College had for many years been an ardent advocate of the admission of women to Columbia, the founders of the new college gave it his name. With seven instructors selected from the teaching staff of Columbia and with fourteen regular and twenty-two special students, Barnard opened in the fall of 1889 in a rented house at 343 Madison Avenue.

RELATION TO THE UNIVERSITY. — In 1900 when the growth of the College had made inappropriate the original informal arrangement for instruction, an agreement was made between the Trustees of Columbia College and of Barnard College by which Barnard was incorporated in the educational system of the University. By the provisions of this agreement, the President of the University is *ex officio* President of Barnard College. Barnard professors are appointed by the University on the nomination of the Dean with the approval of the President and the Trustees, and rank as professors of the University. The College is represented on the University Council by its Dean and two elected representatives. The graduates of Barnard receive their degrees from Columbia, and these degrees are maintained as of equal value with corresponding degrees conferred upon the graduates of Columbia College. The University libraries are open to women on the same terms as to men. Various opportunities in other schools of the University have also, through the relation of Barnard College to

Columbia, been opened to Barnard students. On the other hand, Barnard has its separate corporate and financial organization, with its own Board of Trustees. It retains its own internal administration, conducted by the Dean, who is appointed by the President with the advice and consent of the Trustees of Barnard. Its courses are determined and administered by its own Faculty, consisting of all professors who give instruction at Barnard.

BUILDINGS AND GROUNDS. — Since 1897 Barnard has occupied the land on Broadway between 119th and 120th Streets, just west of the main buildings of the University. In 1903 Milbank Quadrangle, extending from 119th to 116th Streets, was added through the gift of Mrs. A. A. Anderson. In 1936, largely through a gift from the General Education Board, the College purchased Riverside Quadrangle, between 119th and 120th Streets, Claremont Avenue and Riverside Drive. Milbank Hall and Brinckerhoff Hall, erected in 1896, the gifts respectively of Mrs. Anderson and Mrs. Van Wyck Brinckerhoff, and Fiske Hall, erected in 1898, the gift of Mrs. Josiah M. Fiske, are three adjoining buildings on 119th Street; they contain the administrative offices, lecture rooms, and laboratories. Brooks Hall, a residence hall at the southern end of the Quadrangle on 116th Street, was erected in 1907. A residence hall adjoining Brooks Hall and known as Hewitt Hall was completed in 1925. Barnard Hall, given by Mr. Jacob H. Schiff and erected in 1917, is on Milbank Quadrangle near 117th Street; it contains the gymnasium, swimming pool, lunch-room, reading room, doctors' and nurses' offices, and rooms for student organizations. Riverside Building, a former private house on Riverside Drive, provides temporarily a few offices and classrooms. Barnard Camp, a 17-acre tract of wooded land in Westchester County, about 35 miles by parkways from the College, was given by the Alumnae in 1933, and provides opportunity for country weekends, sports and recreation.

HAMILTON ARBORETUM AND GARDENS ("NEVIS"). — The Hamilton Arboretum and Gardens ("Nevis"), an estate of approximately sixty-eight acres, the gift of Mrs. T. Coleman du Pont, of Wilmington, Delaware, is located at Irvington-on-Hudson, about sixteen miles north of New York City. Classes in landscape architecture and general horticulture meet at "Nevis," and special lecturers are arranged from time to time.

FINANCIAL STATEMENT. — The College owns equipment, buildings, and grounds of a value of \$4,300,000, and holds productive funds providing a net income of about \$200,000.

COURSE OF STUDY. — Barnard College offers to women a course of undergraduate instruction in the liberal arts and sciences of four years' duration, leading to the degree of Bachelor of Arts.

Students who wish two years only of collegiate work, in preparation for professional schools, may enter under the same conditions as those intending to complete the requirements for the Bachelor of Arts degree, and take, during the freshman and sophomore years, a program modified to meet the requirements of the professional school to which the transfer is to be made.

Under certain circumstances, Barnard students in the Bachelor of Arts course may, after three full years of work at Barnard College, receive permission to substitute the first year of an approved professional school for the senior year at college, and still obtain the Bachelor of Arts degree.

ACADEMIC DISCIPLINE. — The continuance of each student upon the rolls of the University, the receipt by her of academic credits, her graduation, and the conferring of any degree or the granting of any certificate are strictly subject to the disciplinary powers of the University, which is free to cancel her registration at any time on any grounds which it deems advisable. The disciplinary authority of the University is vested in the President in such cases as he deems proper, and, subject to the reserve powers of the President, in the Dean of each Faculty and the Director of the work of each administrative board.

RESIDENCE. — All students not residing with their parents are required to live in Brooks Hall or Hewitt Hall unless for reasons of weight they receive special permission to live with relatives. Applications for such permission, accompanied by letters of approval from parents or guardians, should be made before August 1 to the Assistant to the Dean in charge of Social Affairs. Reservations for rooms outside, made without permission, will not be approved.

ADMISSION

TO COLUMBIA UNIVERSITY IN GENERAL. — A student who has fulfilled the preliminary qualifications for candidacy for a degree, certificate, or diploma in regular course is enrolled as a matriculated student of the University. Acceptance is based on the grounds of character and health as well as on the fulfillment of academic requirements. A period of regular attendance upon all stated academic exercises amounting to at least one academic year must be completed by every candidate for a degree.

Students prevented by conscientious scruples from complying with academic requirements which may be fulfilled only upon days set apart by their church for religious observance should make application to the appropriate authority for equitable relief.

In exceptional circumstances a student not enrolled as a matriculated student may be admitted to the University as a nonmatriculated student, with permission to attend such courses of instruction as he or she is qualified to take, but not as a candidate for a degree, certificate, or diploma in regular course. Nonmatriculated students are expected to conform to the same standards of attendance and scholarship as are required of matriculated students. Nonmatriculated students may receive a formal statement of the satisfactory completion of any course. (See page 22.)

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registered in any school or college of the University shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the appropriate Dean or Director.

Admission to the several schools and colleges of Columbia University presupposes certain educational qualifications, but the possession of these qualifications does not entitle a candidate to admission unless his or her character and personality are acceptable to the University and unless he or she is physically fit to do the work which he or she desires to undertake. Satisfaction of the minimum requirements for admission to a school does not insure admission, particularly if the school be crowded.

TO BARNARD COLLEGE IN PARTICULAR. — Barnard College selects its students from an eligible list consisting of all candidates who present satisfactory evidence of good character, good health, and good intellectual ability and preparation.

In choosing the members of its freshman class and also the students from other colleges admitted to higher standing, the College keeps in mind the desirability of having a student body which, though reasonably congenial, will be as far as possible a cross-section of the country geographically, economically, socially, and in other ways, so that it will be educationally valuable for the members to know one another and work together. This consideration may influence the selections of the Committee on Admissions.

PRELIMINARY APPLICATION FOR ADMISSION. — Each student who plans to enter the College should file a preliminary application for admission with the Secretary to the Committee on Admissions at as early a date as possible, accompanied by a money order or draft for \$10, payable to Barnard College. This application fee will not be credited on the college fees nor refunded for any cause.

Students who wish to begin their freshman year in the Spring or Summer Session should apply to the College for information and advice.

ADMISSION TO THE FRESHMAN CLASS

Candidates must be at least fifteen years of age and must submit the following credentials:

1. Satisfactory evidence of good character, personality, and promise. Confidential reports from the applicant's school principal and teachers are given most weight. Whenever possible a personal interview with a member of the Admissions Office staff is desired. When this is not possible a photograph must be submitted and the names of at least three responsible citizens who know the candidate personally given as references.

2. Satisfactory evidence of good health. This must consist of a health history and a report of a health examination. The necessary forms, which must be filled out and returned to the Barnard College Physician, will be supplied by the Secretary to the Committee on Admissions.

3. Satisfactory evidence of intellectual ability and preparation. This should consist normally of graduation from an approved secondary school, or some equivalent education acceptable to the College, in addition to records made in certain tests.

The school course should normally include four years of work in English, three years in some foreign language, two years in another foreign language, a year of algebra, and a year of plane geometry, but exceptions may be made under special conditions. The rest of the course should be selected mainly from history, science, additional languages, additional mathematics, music, and art.¹

The tests required are the Scholastic Aptitude Test, which all candidates must

¹ For premedical students additional work in mathematics and German is advised. For pre-engineering students three years of social studies, two years of French or German, mathematics through solid geometry and trigonometry, physics, and chemistry are required.

take, and such achievement tests of the College Entrance Examination Board as may be determined by the Committee on Admissions after consideration of the school record.

The emphasis will be placed on the candidate's ability to do college work successfully. If a student is admitted to Barnard College, she will be admitted without entrance conditions. If the time in secondary school has been curtailed, or if the school record is lacking in some essential element, the College may require an additional term of work for graduation.

GENERAL INFORMATION CONCERNING TESTS

The College Entrance Examination Board will administer the following four series of tests in 1944:

- Saturday, April 15, 1944
- Saturday, June 3, 1944
- Wednesday, September 6, 1944
- Saturday, December 2, 1944

Scholastic Aptitude Test (including a verbal and mathematical section) 9 A.M.
Achievement Tests — Not more than three of the following one-hour tests: 2 P.M.

- | | |
|---------------------|-------------------|
| English Composition | Spanish Reading |
| Social Studies | Biology |
| French Reading | Chemistry |
| German Reading | Physics |
| Latin Reading | Spatial Relations |

*Comprehensive Mathematics Test (three hours) 2 P.M.

A single Bulletin of Information containing rules for the filing of applications and the payment of fees, lists of examination centers, etc., may be obtained without charge from the College Entrance Examination Board. The Board does not publish a detailed description of the Scholastic Aptitude Test or the Achievement Tests. Brief descriptions are included in the Bulletin. A practice form of the former test will be sent to every candidate who registers for it.

Candidates should make application by mail to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. Blank forms for this purpose will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish to take the April, June, September, or December tests.

In order to facilitate the arrangements for the conduct of the tests, all applications should be filed as early as possible. Each application should be accompanied by the appropriate examination fee, which is four dollars for candidates who take only the Scholastic Aptitude Test and eight dollars for all other

* The schedule does not permit a candidate to take this test and an achievement test.

candidates. Applications and fees should reach the office of the Board not later than the dates specified in the following schedule:

For examination centers located	April 1944 Series	June 1944 Series	September 1944 Series	December 1944 Series
East of the Mississippi River or on the Missis- sippi	March 25	May 13	August 16	November 11
West of the Mississippi River or in Canada, Mexico, or the West Indies	March 18	May 6	August 9	November 4
Outside of the United States, Canada, Mex- ico, and the West In- dies	March 4	April 22	—————	October 21

Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.

When a candidate has failed to obtain the required blank form of application, the regular fee will be accepted if it arrives not later than the specified date and is accompanied by the candidate's name and address, the exact examination center selected, the college to which his report is to be sent, and the test or tests he is to take.

The Board will report the results of the tests to the institution indicated on the candidate's application. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

ADMISSION TO ADVANCED STANDING

Students who have satisfactorily completed at least a year of work at an acceptable college, scientific school, or foreign institution of equivalent grade may be admitted with such advanced credit as their previous records may warrant. In general a candidate with a good record transferring to Barnard from a similar college of equal standing will receive at Barnard a year's credit for a year's work at the institution from which she comes.

Each candidate should send to the Committee on Admissions with her application a catalogue of her college plainly marked, showing entrance credit and courses taken. These should be accompanied by an official transcript of her college record, including entrance credit. If for any reason a student cannot obtain an official record until the end of the term, she may substitute her report cards. One or the other must be in the hands of the Committee on Admissions before the Committee on Transfers can estimate her standing in Barnard College. The Committee on Transfers will give an applicant a tentative estimate of the time she will be expected to spend at Barnard in order to secure a degree, and the prescribed work she will be asked to do. Final determination of these

matters lies with the Committee on Transfers, which reserves the right of readjusting credit at any time. These reports should be received by the Committee on Admissions by July 1 for admission in September and by December 1 for admission in February; otherwise action on the case may be delayed until just before the opening of college. Final action on admission depends upon (1) the honorable dismissal, (2) the certificate of good moral character from an authorized representative of her college, and (3) the certificate of sound health.

If all credentials are not in the hands of the Committee on Admissions by Friday, September 22, the student's registration may be deferred until Saturday, September 30, involving an additional fee of \$5 for late registration.

No applicant may enter the senior class as a candidate for a degree after October 15 in any year, and no student will receive a degree who has resided less than two full sessions at Barnard College. (See also paragraph 6, page 37.)

A candidate for admission with advanced standing from a junior college may be asked to take some form of examination for admission, and if admitted, will be allowed to enter courses that succeed her junior college courses. No definite credit for her junior college work can be assigned until after she has had an opportunity to establish a good record at Barnard.

ADMISSION AS SPECIAL STUDENTS

Women who wish, without working toward a degree, to make a serious study of some subject or group of subjects, may, with the approval of the Committee on Admissions, enter Barnard as nonmatriculants, not candidates for the degree. They need not pass formal entrance examinations, but they must submit satisfactory credentials in regard to character and qualifications for the courses they wish to take.

Candidates for admission as nonmatriculants must be mature. They may not pursue merely elementary courses. They must not, within ten months of the time of application, have been rejected or become deficient as regular students.

They will be held to the observance of the same regulations as to attendance, examination in course, proficiency, and deficiency as regular students. They are also subject to the usual health regulations (see page 19).

They are entitled to a formal statement as to the satisfactory completion of the work that they have taken. They may, in view of a good record in college courses, be transferred by the Committee on Instruction to the matriculated basis as candidates for a degree.

REGISTRATION

REGISTRATION. — Before attending any University exercise each student shall comply with the regulations in regard to registration and payment of fees. Unless otherwise instructed, she shall present herself in person at the office of the Registrar and shall there file a registration blank giving such information as may be required for the College records.

Every new student shall also at the time of registration file a statement of the courses which the Committee on Instruction has authorized her to pursue. Students already in college shall give notice of their choice of elective courses for each session to the Registrar on dates to be announced from time to time by the Committee on Instruction. Failure to file a program during the period an-

nounced by the Committee on Instruction will cause the student to incur a fee of \$10 for this privilege. Students in college who defer filing programs from April until after Commencement will incur a fee of \$20.

In September the office of the Registrar will be open for registration on Friday, September 22, 1944, for old students only and on Monday and Tuesday, September 25 and 26, for both old and new students. New students may register also on Wednesday, September 27, 1944.

In February students who have been in attendance during the winter session and who have filed in December programs which have been approved may complete their registration during specified hours on Friday, February 2, and on Monday, February 5, 1945.

Registration after 4 P.M. on Monday, February 5, 1945, by a student whose program has been approved will be considered a late registration and will involve the payment of a late registration fee.

Students whose programs have not been approved for one reason or another by the Committee on Instruction will be required to defer registration until Tuesday, February 6, 1945.

Freshmen entering in February may register on Friday, February 2, 1945, or on Monday or Tuesday, February 5 or 6, 1945. Transfers entering in February may register only on Tuesday, February 6, 1945.

Students registering late are charged an additional fee of \$5 and are held accountable for absences thus incurred.

Each student who holds a scholarship shall present her scholarship certificate to the Bursar *at the time of registration*.

Each person whose registration has been completed will be considered a student of the University during the period for which such registration is held valid. No student registering in Barnard shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the consent of the Dean.

WITHDRAWAL. — An honorable discharge will always be granted to any student in good academic standing, and not subject to discipline, who may desire to withdraw from the College, but no student under the age of twenty-one years shall be entitled to a discharge without the assent of her parent or guardian furnished in writing to the Dean. Students withdrawing are required to notify the Registrar. (See also REBATES, below.)

GENERAL STATEMENT REGARDING FEES AND THE REGULATIONS GOVERNING THEIR PAYMENT

All fees are payable semiannually in advance at the Bursar's office, and no reduction is made for late registration. Registration is not complete until registration, tuition and laboratory fees are paid. Inasmuch as the registration fee is charged for the actual process of fulfilling all the requirements of the Registrar's office, it is incurred when the student receives her bill and must be paid even if she withdraws before attending classes. Failure to pay fees on or before the last day of registration (see Academic Calendar) imposes automatically the statutory charge of \$5 for late registration. In special cases, for satisfactory reasons and upon payment of a nominal fee, permission may be obtained from the Bursar to defer the payment of one half — that is, \$107.50 (new rate, ef-

fective September 1944) — of the tuition fee for the session until approximately mid-term — November 15 or March 17 — provided that permission is granted *before* September 9 or January 20. *Any application for the privilege of deferred payment made after September 9 or January 20 will be considered late payment and as such will be subject to a \$5 late payment fee.* In every case where the privilege of deferred payment has been granted, each payment must be made on the due date or an additional \$5 late payment fee will be incurred.

Under the regulations, the privileges of the College are not available to any student delinquent in the payment of her fees.

The fees to be paid by students are subject to change at any time at the discretion of the Trustees.

Checks in payment of all fees, including those for charges in the residence halls, should read "Pay to the order of Barnard College," and should be made out for the exact amount of the payment. As change will not be given on checks, no check which is made out for more than the correct amount will be accepted.

REBATES. — Tuition fees alone are subject to rebate. Rebates may be allowed

1. For courses discontinued on or before the second Saturday of each session. After that date no fees will be returned for any course which the student may for any reason discontinue.
2. For total withdrawal from the college, when a pro rata return of fees may be authorized by the Registrar. When such a rebate is allowed it *must be applied for in writing at the time of withdrawal* and will be reckoned from the date upon which the Registrar receives notice from the student.

FEES

Application fee, payable when application for admission is filed . . . \$ 10.00

This fee is not credited on the bill and is never refunded. It should not be confused with the registration fee, payable each session (see below).

Fees, payable each session for a *matriculated student* enrolled

1. For 10 points or more:

Registration fee \$ 10.00

This fee is due each session when the Registrar issues the bill to the student and is never refunded.

Tuition fee (**new rate, effective September 1944**) 215.00

Student activities fee 3.50

For all regular and unclassified students for each winter or spring session or any part thereof \$228.50

2. For 9 points or less:

Registration fee see above

Tuition fee at the rate of \$16 (**new rate, effective September 1944**) per point for academic work and \$5 each for English D and physical education, if these are required.

FEES

25

Student activities fee	see above
<i>Fees, payable each session for a nonmatriculated student:</i>	
Registration fee	see above
Tuition fee at the rate of \$16 (new rate, effective September 1944) per point for academic work and \$5 each for English D and physical education, if these are required, with maximum fee of \$215 (new rate, effective September 1944) per session.	

Additional fees are charged for the following:

Tuition for courses in applied music:

For special fee in each case, see departmental announcement of course.

Tuition for technical courses in fine arts:

*Drafting *u9, u10*, each session 37.50

*Drawing and painting *u11-u12*, each session 25.00

Tuition for professional and extension courses that are *not* taken for credit and for certain University classes that, with the permission of the Committee on Instruction, are taken for credit toward the Barnard degree. This varies with the course taken.

Late Registration (see page 23) 5.00

Privilege of filing program late 10.00

For students in college who fail to file their programs for the coming session within the period announced for that purpose by the Committee on Instruction. Students in college who defer filing programs from April until after Commencement are charged \$20 for that privilege.

Examinations, payable in each case before the examination is held:

For each and every deficiency or special examination 3.00

(A special or deficiency examination is one taken at any time other than at the conclusion of a course actually attended, whether taken prior or subsequent to admission.)

For late application 5.00

For the degree 20.00

This fee is never refunded. It must be paid on or before April 15 by candidates for the degree in June or October and by January 1 by candidates for the degree in February.

Deposits for the use of apparatus, material, and the like are required in

Chemistry *63, 64*, each course 10.00

Chemistry *41, 42, 65, 66*, each course 12.50

Chemistry *42a, 105, 106, 145, 146, 150, 157, 158*, each course 15.00

NOTE. — Every financial obligation to the College incurred by the student must be met by January 1 of the winter session or by May 1 of the spring session, if the student is to be permitted to take her examinations and receive credit for the session's work.

FEES OF STATE SCHOLARS

Each State Scholar should file at the office of the Bursar *on the day of registration* the notice which she has received from Albany stating that a State Scholarship has been awarded to her. On the basis of this official notice she is entitled to a credit of \$50 a session.

A State Scholarship Certificate for each of these students is then sent from Albany to the Bursar, who records all necessary information and forwards the certificate to its owner. This certificate need not be presented again at the Bursar's office.

SAFEKEEPING OF STUDENTS' FUNDS

For the convenience and protection of students while in residence at the University, the Bursar of Columbia University in Room 310 University Hall is prepared to receive funds for safekeeping, subject to the printed regulations, copies of which may be obtained at his office upon request. There is no charge for this service.

Personal checks will not be cashed by the University or credit allowed until the money has actually been received from the bank on which the check is drawn. However, checks, drafts, and money orders may be deposited for collection. Students should provide themselves with travelers' checks to cover their immediate expenses.

RESIDENCE HALL FEES

<i>Deposit</i>	\$ 15.00
Payable in advance to secure assignment of room. One half of this deposit is credited each session on payment of rent. The deposit is forfeited if the applicant withdraws after September 1, or, in the case of an applicant entering at the beginning of the spring session, after January 15.	
<i>Board</i>	300.00
Payable in two equal installments in advance, on or before taking possession of room, and on January 31 ¹	
Emergency surcharge for 1944-45	40.00
<i>Rent</i>	300.00
Payable in two equal installments in advance, on or before taking possession of room, and on January 31 ¹	
<i>Various scholarships ranging in value from \$50 to \$700 are available for students in need of assistance (see page 40).</i>	

REBATES. — In case of withdrawal of a student from the residence halls, there is no rebate for the rent of the room. A rebate for board is reckoned from the Saturday after the withdrawal.

¹ In special cases, upon application to the Bursar, the payment of one half the rent and board for a session may be deferred until mid-term — November 15 or March 17.

ESTIMATED NECESSARY EXPENSES

For each academic year:

Registration fee	\$ 20.00
Tuition fee	430.00
Student activities fee	7.00
Textbooks (estimated value minimum)	20.00
	<hr/>
	\$ 477.00

And for resident students:

Board and room	600.00
Emergency surcharge for 1944-45	40.00
Student government dues	1.50
	<hr/>
	\$1,118.50

For other items:

Gymnasium costume, approximately	\$ 8.50
Final examination for degree	20.00

THE PROGRAM OF STUDIES

Upon satisfactory completion of a program arranged according to the regulations described below (pages 27-29), the student is recommended by the Faculty of Barnard College to the Trustees of Columbia University for the degree of Bachelor of Arts. Diplomas are issued in June, in February and in October upon the completion of the requirements for the degree.

The requirement for graduation is 120 points, exclusive of the prescribed work in English D and in physical education. The term point usually signifies the satisfactory completion of work requiring attendance at class, one hour, or in the laboratory, two hours, a week during a winter or spring session.

I. Program of studies for the degree of Bachelor of Arts

In constructing the present curriculum the Faculty was guided by the following general principles:

1. Each student should possess certain fundamental tools, useful for successful work in any field — that is, a command of written and spoken English, the ability to read at sight with ease at least one foreign language, a healthy body and a knowledge of hygiene.
2. Beyond those needed to give these fundamental tools it is not desirable to prescribe any specific courses.
3. Each student should be required to concentrate her work sufficiently to gain a fairly thorough knowledge of one subject.
4. Each student should be required to distribute her work sufficiently to gain some insight into the other main divisions of human thought.

To carry out these general principles, the following specific requirements and regulations were adopted:

Specific prescriptions

English A	6 points
English D	no points
Hygiene A	2 points
Physical Education A, B, C and D.	

Ability to read at sight with ease one of the following languages: French, or German, or Greek, or Italian, or Latin, or Spanish. This requirement should be satisfied as early as possible in the college course.

All other work is elective but must include

A major subject of 28 points
The major must be comprised of work of not less than grade C in some one field. It must meet the requirements laid down by the department concerned and announced at the head of the departmental statements on pages 57 ff.

Courses amounting to not less than 14 points
from *each* of the following groups other than the one in which the major lies, subject to the following restrictions:

- (a) Group I: The 14 points may not include (1) more than one elementary course in ancient foreign languages, (2) any first-year course in modern foreign languages, (3) English A.
- (b) Group II: 8 of the 14 points must be in one of the following laboratory sciences: botany, chemistry, geology, physics, experimental psychology, zoölogy.
- (c) Group III: All candidates for the degree, whatever their major, must take at least 6 points of history.

Group I. Languages, Literatures and other Fine Arts:

Ancient Art, Anthropology (Courses 5, 6, 7, 8, 107, 108, 127, 128), Classical Literatures (in translation), Comparative Linguistics, Comparative Literature, English, Esthetics (Philosophy 41-42, 45, 46, 53, 54, 145, 168), Fine Arts, French, German, Greek, Italian, Latin, Music, Portuguese, Romance Philology, Spanish.

Group II. Mathematics and Natural Sciences:

Anthropology (Courses 3, 4, 17), Astronomy, Botany, Chemistry, Geography, Geology, Logic (Philosophy 4), Mathematics, Physics, Psychology (Courses 7-8, 9, 11, 19, 22, 24, 48, 58), Statistics (Economics 18), Zoölogy.

Group III. Social Sciences:

Anthropology (Courses 1, 2, 13, 14, 51, 52), Archaeology, Classical Civilization, Economics, Geography, Government, History, Philosophy, Psychology (Courses 1, 26, 27, 28, 37), Religion, Sociology, Statistics (Economics 17).

II. Program of studies for the degree of Bachelor of Arts with the certificate in science or mathematics

Candidates for the degree of Bachelor of Arts who desire to specialize in the natural sciences or in mathematics may elect the foregoing program of studies with the modifications given below. For the satisfactory completion of the specified requirements they will receive on graduation a certificate which will indicate the nature of the program of studies pursued.

This program of studies is the same as the foregoing program, except in the following specific respects:

A major subject of at least 28 points of not less than grade C in one of the following natural sciences: astronomy, botany, chemistry, geography, geology, physics, experimental psychology and zoölogy, or in mathematics, and

Two minor subjects of at least 12 points each, one of which must be allied to the major, both to be chosen from the foregoing list. As a minor, geography and geology may count as one subject. Anthropology may also be taken as a minor subject.

Additional grouped work in science, or in mathematics, or in science and mathematics, so as to make a total of at least 60 points in science, or in science and mathematics.

DEGREE WITH HONORS

Degrees with honors will be awarded to students who have completed the work for the degree with highest distinction (*summa cum laude*), with high distinction (*magna cum laude*) and with distinction (*cum laude*).

WAR MAJORS AND WAR MINORS

Even before Pearl Harbor, Barnard College had set up a Committee on National Service to consider how its Faculty and students might better serve the nation in the period of crisis produced by the Second World War. After the entry of the United States into the war on December 8, 1941, these efforts were redoubled. It quickly became apparent that certain fields of study were so peculiarly valuable that they might be called War Majors. These are mathematics, the natural sciences and economics with emphasis on statistics. To help students who are majoring in fields less directly connected with the war effort, the Committee on National Service devised a series of War Minors. A War Minor is a grouping of courses, totalling 12 points or more, that give training in subjects or technics for which there is a special demand in war time. Thus, students who do not have a War Major are given the opportunity to prepare themselves for effective participation in the war effort by registering for a War Minor. A special bulletin describing War Majors and War Minors has been issued by the College, and will be sent on request.

PROGRAM FOR STUDENTS ADMITTED BY TRANSFER FROM OTHER COLLEGES

Students with sufficiently good records from other colleges transferring to Barnard College will be held to the requirements for the degree outlined on pages 27-29. They will not be exempt from the major or the laboratory science or the history requirement or the language requirement. Such students, if sufficiently able, are also eligible for transfer to professional schools under the regulations described below.

The administration of the foregoing provision will be in accordance with the following principles and rules:

1. Such students should have completed at entrance or at other colleges the equivalent of the entrance requirements to Barnard College, as may be determined by the University Committee on Admissions.

2. In general, students who have been accepted by the Committee on Admissions for entrance by transfer to Barnard College will be admitted to the class to which their previous entrance and college records entitle them. The Committee on Transfers will determine, in conference with the student, in view of her previous academic record, her experience and maturity, her intellectual interests and professional plans, the program of work that she shall take. In certain cases a year of probation may be required before the status of the student is exactly fixed.

COURSES IN THE GRADUATE FACULTIES OPEN TO BARNARD STUDENTS

Certain graduate courses in Columbia University under the Faculties of Political Science, Philosophy, and Pure Science which are listed in the Barnard Announcement are open, with the consent of the department concerned and the Committee on Instruction, to specially qualified seniors. In these courses special arrangements are made for the supervision of the work of undergraduates. Since graduate work is on an entirely different basis of credit from undergraduate work, it is rarely possible for a student in Barnard College to take any graduate courses for which these special arrangements have not been made. Seniors of unusual ability may, however, be permitted in special cases to elect not more than two graduate courses in their major field.

Graduate courses, when approved by the Committee on Instruction, may be counted by an undergraduate toward the Bachelor's degree. But any undergraduate student of high standing in the regular course in Barnard College who, in the final session of her candidacy for a Bachelor's degree, is within 12 points of that degree may, with the approval of the appropriate Deans, register for graduate courses with a view to offering such courses in fulfillment of the requirements for residence for a higher degree, provided, however, that she shall not receive graduate credit in excess of the difference between 15 points and the number of points that she needed to fulfill the requirements for her Bachelor's degree at the beginning of such session.

For full information concerning the content of the courses, students are referred to the appropriate University announcements mentioned at the end of the departmental statements given below.

PROFESSIONAL SCHOOLS OF COLUMBIA UNIVERSITY OPEN TO BARNARD STUDENTS OR GRADUATES

The University professional schools require for admission varying amounts of college work. Several require the possession of the Bachelor's degree.

Barnard College keeps in close touch with these schools and endeavors to give its students the best possible advice concerning preparation for them.

Barnard students preparing for admission to these professional schools must take at Barnard the courses in written and spoken English (English A and English D), Hygiene A and Physical Education, normally required of all regular students. They should also elect the subjects required by the special school they hope to enter.

Full information regarding each school may be obtained from its own special announcement, which will be sent on request by the Secretary of Columbia University.

THE COMBINED COURSE OR PROFESSIONAL OPTION

Shortening of the whole course is sometimes possible for an unusually good student by means of the "combined course," whereby she receives the permission of the Committee on Instruction to count the first year of the professional school in place of the senior year at Barnard. To be eligible to exercise the professional option a student must complete at Barnard, before transferring to the professional school, 90 points of academic work including all grouped work and a major of 28 points unless this number is reduced in individual cases by special permission of the Committee on Instruction.

Students transferring to Barnard from other institutions will be granted this privilege of a "combined course" only if they have an unusually good record, and in no case will the permission of the Committee on Instruction be given until after the student has completed at least one full year of work in Barnard College.

The professional option is possible in connection with the Schools of Architecture, Dental and Oral Surgery, Law and Medicine.

ARCHITECTURE

The School of Architecture offers a course of study leading to the degree of Bachelor of Architecture. Under normal conditions, the professional degree may be obtained in four years, but for the duration of the present emergency, the School offers an accelerated course of three sessions a year; therefore, the degree may be obtained in two years and eight months.

The work at Barnard should include, among other courses, a full year in a

foreign language (preferably French or German), in English, in mathematics, and in economics, or history, or government, or sociology. For students not candidates for the Barnard degree, the minimum requirement for admission is one year (30 points) of college work.

BUSINESS

The School of Business offers a two-year course of study leading to the degree of Bachelor of Science. The preparatory work at Barnard should include two years of English, two years of French, German, Spanish, or Italian, or their equivalent, and one year of economics. For students enrolled in the special course in accountancy, a freshman course in mathematics will be required. For students not candidates for the Barnard degree, the minimum requirement for admission is two years (60 points) of college work. For the special three-year program in professional accountancy students should be prepared to offer three years of work in liberal arts.

DENTAL AND ORAL SURGERY

The School of Dental and Oral Surgery offers a four-year course of study leading to the degree of Doctor of Dental Surgery. The preparatory work at Barnard should comprise a minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, physics and zoölogy. Upon completion of these requirements, a dental aptitude test to determine manual dexterity must be taken. The Admissions Office of Columbia University will consider carefully the entire predental record and select the most promising candidates. The minimum requirement for admission is three years (90 points) of college work.

For the duration of the war the School of Dental and Oral Surgery is operating on an accelerated program whereby the four-year curriculum will be completed in three calendar years; the minimum entrance requirements have been reduced to two years of college work comprising 12 points of chemistry, including organic chemistry, and a minimum of 6 points each of biology, physiology, and English.

ENGINEERING

The School of Engineering has adopted for the duration of the war the curricula of the eight-term Navy College Training Program as meeting the requirements for the Bachelor of Science degree in civil, electrical, and mechanical engineering. The normal four-year (eight-term) curricula leading to the Bachelor of Science degree in chemical, industrial, metallurgical, and mining engineering will be continued as in the past but will utilize as far as possible the course offerings in the Navy program.

Under the arrangements adopted for the duration, students are admitted to the School of Engineering upon the completion of two terms of college work. In order most effectively to prepare students who may wish to continue in any

one of the engineering departments, the first two college terms of study should complete the preparation in the following subjects:

Mathematics through analytical geometry
History 3-4 or 1-2
English A1, A2
Physics 11-12
Mechanical drafting and descriptive geometry
 Drafting 1, 2
Physical education A1, A2

For *chemical engineering*, *metallurgical engineering* and *mineral dressing*, the following must be completed prior to entering the School of Engineering:

Chemistry: General college chemistry and qualitative analysis
Differential calculus

Students who plan to enter these departments are urged to schedule three terms in order to complete the pre-engineering requirements.

JOURNALISM

The Graduate School of Journalism offers a one-year course leading to the degree of Master of Science. A Bachelor's degree is required for admission to this school. Undergraduate work should, wherever possible, include courses in English composition, government of the United States, history since 1914, economics and sociology. Ability to use a typewriter is required. Some proficiency in shorthand is recommended.

Applicants with journalism experience on press boards, campus newspapers and magazines, or who have had positions in or related to journalism, should present examples of their work in these fields.

The employment of women who have completed this training in recent years indicates that journalism is an expanding profession for qualified women.

LAW

The School of Law offers a three-year course of study leading to the degree of Bachelor of Laws. The three academic years may be completed in two calendar years by attending two summer sessions in addition to two winter and spring sessions. Beginning students are admitted in September, February and June. The preparatory work at Barnard must be of good grade, and should include satisfactory courses in English, in economics, and in English and United States history or the equivalent of such training. Upon completion of these requirements, the candidate's proof of fitness for study of law will be tested by a special capacity test unless waived by the Committee on Admissions. The minimum requirement for admission is three years (90 points) of college work, but the complete college course of four years is considered the most desirable preparation.

PROGRAM OF STUDIES

LIBRARY SERVICE

The School of Library Service offers a one-year course of study leading to the degree of Bachelor of Science.

For matriculation in this school a Bachelor's degree in liberal arts subjects is required. The undergraduate work should include a reading knowledge of French or German and a knowledge of both languages is strongly advised. Evidence of fitness for library work is required of all candidates.

MEDICINE

The College of Physicians and Surgeons offers the equivalent of a four-year course of study leading to the degree of Doctor of Medicine. The preparatory work at Barnard must be of good grade, must include the requirements prescribed by the New York Board of Regents for a qualifying certificate, i.e., a minimum of 12 points in chemistry, including organic chemistry, and a minimum of 6 points each in English composition and literature, in physics and in biology. Before admission to the medical school the entire premedical record of each applicant is carefully examined in order that those who are adjudged the most promising candidates for the profession may be selected. While the minimum requirement for admission during the emergency is two full academic years of college work, the complete college course of four years is considered the most desirable preparation.

NURSING

Columbia University offers a three-year course at the College of Physicians and Surgeons and the Presbyterian Hospital leading to the degree of Bachelor of Science and a diploma in nursing. The preparatory work at Barnard should comprise work in chemistry, biology, psychology and sociology. The acceptance of a candidate is based on grounds of character and health as well as on the fulfillment of the academic requirements. The minimum requirement for admission is two years (60 points) of college work but students who hold the Bachelor's degree may obtain permission to complete the course in two years and four months.

SOCIAL WORK

The New York School of Social Work, affiliated with Columbia University, offers a two-year course of study leading to the degree of Master of Science. The school prepares students for various types of positions in social work under both private and public auspices. Field work under the supervision of private and public agencies forms a considerable part of the curriculum.

For admission to this school a Bachelor's degree is required. The undergraduate curriculum should include a minimum of 20 points in social and biological sciences with the emphasis in the direction of the social sciences.

Enrollment is limited and the school selects from its technically eligible applicants students demonstrating fitness for training in social work.

TEACHING

Teachers College of Columbia University and Barnard College coöperate in offering to students preparation for teaching elementary and high school subjects. In many states at least three years of special college work with certain professional courses are required of candidates for certificates to teach elementary subjects, and in most states at least a Bachelor's degree and certain professional courses are required of all candidates for certificates to teach high school subjects. There is an increasing trend toward a longer period of preparation, as indicated by the statement from the New York State Education Department that a Bachelor's degree will be required of all candidates applying for the New York State teaching certificate in elementary subjects, and a Master's degree or its equivalent will be required of all candidates applying for the New York State teaching certificate in high school academic subjects after January 1, 1943.

While it is possible for students to satisfy certain states' requirements during their undergraduate course, usually with some summer work in addition to the regular college program, it is advantageous for undergraduates to plan for a fifth year in coöperation with Teachers College. This plan involves the last two undergraduate years and one graduate year and is open to specially qualified students. The undergraduate years will include elementary psychology and two 6-point seminars given at Teachers College for juniors and seniors of Barnard College. The fifth year will be spent mainly at Teachers College. There will be opportunity for graduate study in subjects of the major interest as well as for observation and practice teaching.

If, during their undergraduate course, students desire to meet certification requirements for teaching in nursery schools, kindergartens, or elementary schools they may transfer to the Bachelor of Science program in Teachers College for the junior and senior years.

Since only specially qualified students will be admitted to the five-year course, application should be made to the Associate Dean of Barnard College early in the sophomore year.

UNION THEOLOGICAL SEMINARY

Union Theological Seminary offers courses of study leading to the degrees of Bachelor of Divinity, Master of Arts in the field of Christian Education and Master of Sacred Music.

Since accommodations at the Seminary are limited, it is necessary to select from the total number of applicants for admission those who seem best qualified, and who in the light of their expressed purpose, personality and record of scholarship give especial promise of usefulness in some form of Christian ministry. The requirement for admission to the courses of study at the Seminary is a Bachelor's degree including special work as indicated below for each degree:

a. *Bachelor of Divinity.* The preparatory work for this three-year course should include the study of philosophy, especially the history of philosophy, and courses in history, literature, economics, psychology, and at least one modern language, either French or German. A knowledge of Greek is desirable.

b. *Master of Arts* in the field of Christian Education. Preparatory work for this course should include some knowledge of the Bible, of the philosophy and ethics of the Christian religion, and of either the psychology of personality or the principles of education. Students with satisfactory preparation in these subjects may complete the work for the Master of Arts degree in one year.

c. *Master of Sacred Music*. Candidates for this degree must give evidence of the completion of an amount of work in music sufficient to enable them to enter with profit upon the courses in sacred music.

COURSES IN OCCUPATIONAL THERAPY

University Extension of Columbia University offers a course of study leading to a Certificate of Proficiency in Occupational Therapy. Admission is based upon a minimum of 30 points of college work, including: English, one year; at least one semester of general psychology and one of sociology; one semester of a science (biology, chemistry, physiology, or physics). Electives may be chosen from such subjects as physiology, science, and the social and political sciences. In addition, candidates for admission must possess personal qualifications and aptitude suited to the practice of occupational therapy. Whenever possible, aptitude will be judged in part by a personal interview.

GENERAL REGULATIONS REGARDING THE PROGRAM OF STUDIES, EXAMINATIONS IN COURSE, CREDIT AND ADVANCEMENT

ELECTION OF COURSES. — Before final choice of elective studies, all students should consult their advisers (see page 40), the Committee on Instruction and, in case of any doubt, the instructors in charge of particular courses as well. Electives must be chosen on some consistent plan. Conflicts between courses falling at the same hours are to be avoided by careful study of the scheme of attendance at the end of this volume, which has been drawn up with a view to making possible for everyone the selection of a reasonable number of harmonious elective courses that shall not conflict in hours with each other or with prescribed courses. It often happens that some of the courses of one department form valuable supplements to certain courses of another, so that combinations of work under two or more departments are very desirable. In all such cases the best selections can be made only after consultation with officers of one or more of the departments concerned. This applies particularly to the major subject (see page 28).

The following regulations should also be borne in mind:

1. No courses other than those specified in the Announcement may be taken except by students specially qualified to pursue them with advantage and with the consent of the Committee on Instruction.

2. No combination of courses amounting to less than 12 or more than 16 points may be made in any winter or in any spring session without the consent of the Committee on Instruction.

3. No credit will be given for a one-hour course, unless it is taken in connection with and as a supplement to a cognate course.

4. No more than four hours of class work, or its equivalent in laboratory work, or seven hours of class work and laboratory work combined, may be taken on the same day.

5. Tuesday at 1:10 P.M. is the Assembly hour. Academic meetings at which attendance is required are often held at this time, and all students are requested to keep it free for this purpose.

6. Students entering with advanced standing from other colleges will be required to take 12 points of their major at Barnard.

7. Of the points required for the degree, at least 30 must be taken while the student is registered in Barnard College, of which 30 points at least half should be taken during the senior year.

8. The election of courses under the Graduate Faculties of Political Science, Philosophy, and Pure Science is restricted to specially qualified seniors and requires the consent of the head of the department concerned at Barnard, and of the Committee on Instruction. (For further details see page 30.)

9. The election of specific courses in a summer session at Barnard College, Columbia University, or elsewhere, must be approved by the Committee on Instruction of Barnard College. Except by special permission of the Committee on Instruction, granted for reasons of weight, any student whose average standing lies below 2.50 (see page 39) during the preceding academic year will be restricted to 6 points of work for a six weeks' session and a proportionate amount for longer sessions. Summer session courses at institutions other than Barnard must be passed with a grade of at least C in order to be credited toward a Barnard degree.

If a student has taken work in a summer session without the previous approval of the Committee on Instruction, she should submit a report of her summer work within a month of her return to college, either in the winter or in the spring session. Otherwise no credit toward the Barnard degree will be allowed for the work that was taken.

10. Specific courses in University Extension may be credited toward the Bachelor's degree under the following regulations:

(a) The election of extension courses must be approved by the Committee on Instruction and by the Director of University Extension.

(b) Students will not be allowed to exceed a total of 16 points, including the points of extension courses, at one time, save with the special permission of the Committee on Instruction, for reasons of weight.

(c) Students desiring to count these courses toward the degree must obtain in them a grade of at least C.

(d) Courses that are not taken for credit toward the Barnard degree will not be covered by the regular tuition fees but must be paid for over and above those fees.

TIME LIMIT FOR COUNTING WORK TOWARD A DEGREE. — All requirements for a degree must be fulfilled by the candidate within six years from the time of her first matriculation as a freshman in college, whether at Barnard or elsewhere; within four and a half years from similar matriculation as a sophomore; within three years from similar matriculation as a junior; and within one and a

half years from similar matriculation as a senior. If the candidate fails to satisfy the requirements within the time here specified, she is to lose credit for all the points gained by her toward the degree unless, in individual cases, the Faculty shall otherwise direct.

THE FOREIGN LANGUAGE REQUIREMENT. — The foreign language tests are held in January, in May, and in September, and are open to students according to regulations announced from time to time by the Committee on Instruction. If a student who entered Barnard as a freshman or a sophomore, and who in February or in September is within a year and a summer session (40 to 42 points) of completing the work for her degree, fails to pass a mid-year or September test she will be suspended until the foreign language requirement is satisfied unless, by special ruling, the Committee on Instruction permits her to remain for one session on probation with a limited program, and the suspension of credit until the test is passed.

A transfer student will be urged to try the test on arrival. If a student who entered Barnard by transfer as a junior or senior, and at mid-year or in September is within a year and a summer session (40 to 42 points) of completing the work for her degree fails to pass, she will be ranked as unclassified with no promise as to when she may expect to complete the requirements for the degree.

Entering freshmen who are well grounded in a foreign language are advised to try the test on arrival.

CHANGE OF PROGRAM. — No change of program, by adding or by dropping a course, or by changing sections or the point-value of a course, may be made by a student without the written consent of the Committee on Instruction. Except on the initiative of the departments or of the Committee on Instruction, such change will not be allowed *after the first Monday after the opening of either the winter or the spring session*. (See also paragraph on fees, page 24.)

ABSENCES. — All students are expected to attend regularly and promptly all the exercises in the courses for which they are registered. Any considerable amount of absence or tardiness will result in the lowering of a student's mark or the loss of one or more points of credit.

The attendance of students on the Dean's List will not be supervised by the Committee on Instruction. The instructors, however, have authority to lower the grade in the case of undue absence or tardiness.

The attendance of all other students is under the supervision of the Committee on Instruction who, at the end of each semester, will deal with absences exceeding the number of class hours in any week, that is,

- more than 1 absence from a class meeting 1 hour a week
- more than 2 absences from a class meeting 2 hours a week
- more than 3 absences from a class meeting 3 hours a week
- more than 4 absences from a class meeting 4 hours a week
- more than 5 absences from a class meeting 5 hours a week.

Two latenesses equal one absence. Students are expected to reserve their absences for illness and other urgent reasons. Illness will be taken into consideration by the Committee on Instruction as a possible excuse for excess absence only if a statement is filed by the student in the Registrar's office immediately on her return to college.

STATED EXAMINATIONS. — Two series of examinations are held every year, one in January and the other in May. These are the only stated examinations. In 1945, the mid-year examinations begin on Monday, January 15, the final examinations on Monday, May 14.

SPECIAL EXAMINATIONS. — Special examinations are held as follows: in the week beginning on the second Monday of the spring session of each year and within the two weeks preceding the opening of the College in the fall.

Such examinations must be taken in one of the three periods for special or deficiency examinations immediately following the stated examination that was missed. They are open, by permission of the Committee on Instruction, to students who have been absent, for imperative reasons, from the stated examination in any course, provided their term work has been satisfactory.

In all cases application for permission to take a special examination must be made in writing.

For each and every examination taken at any time other than the stated examination period immediately following the conclusion of the course involved a fee must be paid before the student is admitted to the examination (see page 25).

GRADES AND CREDIT. — The student's performance in a course is rated according to the following grades: A, excellent; B, good; C, fair; D, poor; P, passed without specific grade; F, failure. The mark *Incomplete* is given only when the student has obtained, in advance, the permission of the instructor to postpone for a short time the submission of certain outstanding term work which must be made up before a specific grade can be reported. Under the regulations of the Faculty, outstanding work that is not completed within three weeks after the end of the session automatically becomes an F.

Standing in college is determined by a valuation of each academic point according to the mark received. Each point with a mark of A counts 4; B, 3; C, 2; D, 1; F (or *absent* or *incomplete* until satisfied), 0. The average mark per point constitutes the student's rating.

No student may count for promotion from any class to the next higher class more than 6 points of D work or may be credited with more than 6 points of D work during her senior year. In case more than four years is required for her degree, not more than 24 points of D work altogether may count toward the degree. Of several courses in which a student is marked D she may choose the ones to be counted. No work of grade D may count in the major of 28 points.

At the end of the sophomore year especially, the records of all students will be carefully scrutinized and only those who have attained at Barnard College at least a C average (2 rating) or who have shown promise of future development will be permitted to continue in college and pursue the more advanced specialized study of the junior and senior years.

In order to be recommended for the degree, each student must attain at Barnard College an average of C or above for the entire course and for the senior year.

If a student fails to attain a C average at the end of four years and thus does not receive a degree at this time, the Committee on Instruction will consider her case and determine whether or not she may in future continue her candidacy for the degree and, if so, under what conditions.

DEAN'S LIST. — At the end of each academic year, except the senior year, there will be compiled a Dean's List to consist of students who, in the opinion of the Committee on Honors, deserve special mention for scholarly excellence during the past year. This will be announced at the opening of the following academic year.

ADDITIONAL CREDIT FOR HIGH STANDING. — At the end of the winter and of the spring session, when all the reports are filed in the Registrar's office, additional credit for high standing is given as follows:

The mark A in courses aggregating 6 points of work entitles the student to 1 point of extra credit, provided she has satisfactorily completed all the work of the session and has not fallen below the mark B or received a report of "Absent," "Incomplete" or "Deferred" in any course.

CLASSIFICATION OF STUDENTS. — Matriculated students whose record is satisfactory to the Committee on Instruction are classified as follows:

Freshmen, those who have completed less than 24 points of academic work.

Sophomores, those who have completed 24 points.

Juniors, those who have completed 54 points.

Seniors, those who have completed 86 points.

Unclassified students, those who have not been allowed definite credits on transfer from other institutions or those who are electing less than 10 points a term.

In all cases the requirements for promotion must be met in full before the beginning of the winter session.

A student who fails to meet the requirements for advancement from one class to another may, with the consent of the Committee on Instruction, remain in college and repeat the course or courses in which her deficiency exists, or, in the case of elective courses, other courses equivalent thereto in time. She may not, however, register as a nonmatriculated special student.

Should a student fail of advancement in two successive years, she shall be permanently dismissed from the College, unless, for reasons of weight, the Committee on Instruction shall otherwise determine.

ADVICE TO STUDENTS

The Dean is always glad to confer with a student regarding any matters that may be of interest to her. Individual instructors may also be consulted at any time by the student regarding her work in their classes.

Before planning her program for the coming year, every student should consult a member of the teaching staff, according to detailed regulations to be announced from time to time by the Committee on Instruction.

Not later than the spring session of her sophomore year, a student should consult the Occupation Bureau regarding opportunities in different occupations which may interest her and the prerequisite thereto.

SCHOLARSHIPS, GRANTS-IN-AID, LOANS

PURPOSE. — The College desires that no student of exceptional ability shall be kept away from Barnard because her family has only moderate means. To

aid students financially, there are Scholarships, Grants-in-aid, a Loan Fund (see page 48) and provisions in the Occupation Bureau (see page 54) for enabling girls to earn a little money toward their personal expenses.

SCHOLARSHIPS. — Scholarships are awarded annually on a competitive basis by the Faculty Committee on Scholarships to full-time students of high scholarly ability, excellent character, and promise of future usefulness, who are in need of aid.

For resident students — that is, those who live in Brooks or Hewitt Halls — they range in value from \$150 to \$700 a year.

For students who do not live at the College, they range in value from \$75 to \$300, except for one New York City scholarship valued at \$400 every third year.

If a student fail to maintain an average of at least B in her work, or if for any other reason she show herself an unsatisfactory scholar, she may forfeit her scholarship and be ineligible for reelection the following term.

GRANTS-IN-AID. — Grants-in-aid are awarded by the Faculty Committee on Scholarships to deserving and needy students to help them to enter or to remain in college. No student whose record falls below an average of C will ordinarily be considered eligible for such a grant.

RESIDENCE GRANTS. — Residence grants are awarded by the Faculty Committee on Scholarships to enable students to live in the residence halls. They range in value from \$25 to \$300.

APPLICATIONS FROM STUDENTS IN COLLEGE. — On or before the first of March of each year all applications for scholarships, grants-in-aid, and residence grants must be filed at the Dean's office upon special blanks to be obtained there.

APPLICATIONS FROM ENTERING STUDENTS. — On or before the first of March applications for scholarships should be in the hands of the Committee on Admissions. Blanks for this purpose may be obtained in the Office of Admissions.

Applicants are required to take the Scholastic Aptitude and Achievement Tests of the College Entrance Examination Board in April, unless they are applying for admission with advanced standing from another institution.

Except for a very few special scholarships, students should not apply for scholarships by name, but should merely indicate the minimum sum needed.

SCHOLARSHIP AWARDS. — Applicants will be informed by the Chairman of the Committee on Scholarships as soon as awards have been made. Applicants receiving awards are requested to inform the Dean's office *immediately*, in writing, if they do not intend to use the funds awarded.

Holders of scholarships, grants-in-aid, and residence grants are requested to file with the Bursar *on the day of registration* a scholarship certificate to be obtained from the Secretary to the Dean.

COMPETITIVE ENTRANCE SCHOLARSHIPS

BROOKLYN SCHOLARSHIPS (\$150 EACH). — Founded in 1895 by the Trustees of Columbia University in recognition of the gift to Columbia University by President Seth Low of a memorial building for the University Library. Open to students resident in Brooklyn and prepared in a Brooklyn school.

CARPENTIER RESIDENCE SCHOLARSHIPS (\$400 to \$700 EACH). — Founded in 1919 with a bequest from the late Horace W. Carpentier. Awarded annually to students who are not residents of New York City or its vicinity.

LUCILLE PULITZER SCHOLARSHIPS (\$300 to \$700 EACH). — Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer.

Three are restricted to students from the City of New York; eight are for resident students.

JESSIE KAUFMANN SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1902 by Mr. Julius Kaufmann in memory of his daughter, Jessie Kaufmann. Awarded on the merits of the entrance examinations to a student who, after careful investigation, is found to have no relative able to assist her financially. It may be held for the entire college course.

MARTHA T. FISKE SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1911 by Miss Anna E. Smith, in memory of her sister, Mrs. Martha T. Fiske-Collord. It is awarded, on the basis of scholarly ability and general character, to some deserving candidate not a resident of New York City or its suburbs.

EDNA CHAPIN CLOSE SCHOLARSHIP. — Established by the Barnard College Club of Westchester in 1937, in memory of Edna Chapin Close of the Class of 1902. Value \$400. Awarded to an entering freshman from Westchester County, for one year only.

GENERAL SCHOLARSHIPS

ELLA WEED SCHOLARSHIP. — The income of a fund of approximately \$3,600. Originally established in 1895 by the pupils and alumnae of Miss Anne Brown's School in memory of Miss Ella Weed, who was chairman of the Academic Committee of the Board of Trustees of Barnard College during the first five years of its existence.

VELTIN SCHOOL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1905 by the alumnae of Mlle. Veltin's School.

JENNIE B. CLARKSON SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1898 by the late Mrs. W. R. Clarkson.

EMILY JAMES SMITH SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Miss Smith, then Dean of Barnard College.

ANNA E. BARNARD SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1899 by the late Miss Emily H. Bourne in honor of Mrs. John G. Barnard.

BREARLEY SCHOOL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1899 by pupils and former pupils of the Brearley School.

ELIZA TAYLOR CHISHOLM MEMORIAL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1901 by the Alumnae Association of Miss Chisholm's School, which Association reserves the privilege of precedence for such candidates as it may recommend.

GRAHAM SCHOOL SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1907 by the Graham Alumnae Association.

MRS. DONALD MCLEAN SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1906 by the New York City Chapter of the Daughters of the American Revolution. It is awarded, in conference with a representative of the Chapter, to a deserving student who agrees to pursue the study of history (chiefly that of the United States) continuously throughout her college course.

EMMA HERTZOG SCHOLARSHIP. — The income of a fund of \$3,000. Founded in 1904 by gifts from residents of Yonkers, N. Y. It is awarded, in conference with the faculty of the Yonkers High School, to a graduate of that school who is entering Barnard College.

MRS. HENRY CLARKE COE SCHOLARSHIP. — The income of a fund of \$3,600. Founded in 1910 by the National Society of New England Women, now the New York City Colony of the National Society. It is awarded, on the nomination of the chairman of the Scholarship Committee of the New York City Colony, to a student from New England or of New England parentage, and after the award is once made the Society requires from the beneficiary full obedience to discipline and the highest ideals of scholarship. This may be awarded to an entering freshman.

ELEONORA KINNICUTT SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1911 in memory of Mrs. Francis P. Kinnicutt, who was a Trustee of Barnard College. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1945 and 1948.

EMMA A. TILLOTSON SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1910 by the late Mrs. Luther G. Tillotson. It is awarded at the end of the freshman year to a student of exceptionally high standing, and may be held for three years, provided the recipient continues to maintain a high rank. It will be awarded in 1946 and 1949.

WILLIAM MOIR SCHOLARSHIPS. — The income of a fund of \$10,000. Founded in 1912 by the late Mrs. William Moir, in memory of her husband.

MARY BARSTOWE POPE SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1913 in memory of Mary Barstowe Pope, sometime teacher in Miss Chapin's School, by her friends, her fellow-teachers, and her pupils. It is open to any undergraduate of Barnard College for the whole or any part of her course, and is awarded on the nomination of a self-perpetuating committee representing the founders.

CHARLES E. BOGERT MEMORIAL SCHOLARSHIP, AND ANNA SHIPPEN YOUNG BOGERT MEMORIAL SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1913 with a bequest from the late Annie P. Burgess. They are awarded to worthy and deserving students of good Christian character who are unable to pay their own expenses.

MARTHA ORNSTEIN BRENNER SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1915 by her friends in memory of Martha Ornstein Brenner, 1899.

BARNARD SCHOOL ALUMNAE SCHOLARSHIP. — The income of a fund of \$4,000. Founded in 1916 by the alumnae of the Barnard School for Girls. It may be awarded to a student in any class, preference being given to nominees of the school.

FANNY I. HELMUTH SCHOLARSHIP (AT LEAST \$262). — Established on a temporary basis by the Daughters of Holland Dames in honor of Fanny I. Helmuth. It is awarded in conference with a representative of the society to a student of Dutch descent who is in need of aid.

ANNA M. SANDHAM SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Anna M. Sandham.

ELEANOR BUTLER SANDERS SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1922 with a bequest from the late Henry M. Sanders.

SCHOLARSHIP IN ENGLISH. — The income of a fund of \$5,000. Founded in 1920 by an anonymous donor. It is awarded to a student of good standing who is specializing in English and is in need of help; with the proviso that, if in any year there is no student specializing in English who stands out as particularly deserving of aid, the scholarship may be used, at the discretion of the Faculty Committee on Scholarships, to assist a student majoring in some other subject.

LUCILLE PULITZER SUPPLEMENTARY SCHOLARSHIPS (\$50 EACH). — Founded by the late Joseph Pulitzer in memory of his daughter, Lucille Pulitzer. They are awarded to worthy and needy students, and may be used to supplement larger scholarships or themselves combined into scholarships of \$100 or more. The money is applicable to tuition fees, residence fees, or, in special cases, general outside expenses.

AUGUSTA LARNED SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1924 with a bequest from the late Augusta Larned.

MARY E. LARKIN JOLINE SCHOLARSHIP. — With an annual value of \$300. Founded in 1927 with a bequest from the late Mary E. Larkin Joline. It is awarded to a student who is specializing in music.

CHARLOTTE LOUISE JACKSON SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1928 with a bequest from the late Fannie A. Jackson. It is awarded to a graduate of a Yonkers high school selected by or under the direction of the Board of Education of Yonkers.

ALICE MARIE-LOUISE BRETT SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1930 with a bequest from the late Philip E. Brett in memory of his daughter, Alice Marie-Louise Brett, of the Class of 1915. It is awarded during her senior year to an able and deserving student specializing in French.

SCHMITT-KANEFENT SCHOLARSHIP. — The income of a fund of \$7,000. Founded in 1931 with a bequest from the late Catherine Schmitt.

HELEN ELIZABETH VOSBURGH SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1934 with a bequest from the late Katherine G. Lippke in memory of Helen Elizabeth Vosburgh of the Class of 1925. In awarding this scholarship, preference is given to a self-supporting student.

WILLINA BARRICK MEMORIAL SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1936 by the College Club of Jersey City as a memorial to Willina Barrick, 1900. It is awarded on the nomination of the Club to a graduate of a Jersey City secondary school entering Barnard College.

BARNARD COLLEGE CLUB SCHOLARSHIP. — A residence scholarship, with stipend varying, established in 1936 by the Barnard College Club of New York.

VIRGINIA GILDERSLEEVE INTERNATIONAL SCHOLARSHIP. — The income of a fund of \$15,100. Founded in 1937 by Mr. Charles R. Crane. It is awarded annually to a foreign student coming to Barnard to study.

PETER C. RITCHIE, JR., SCHOLARSHIP. — The income of a fund of \$4,400. Founded in 1937 with a bequest from the late Virginia J. Ritchie. It is awarded to a needy student.

ALMA GLUCK ZIMBALIST SCHOLARSHIP. — The income of a fund of \$10,000. Founded in 1940 with a bequest from the late Alma Gluck Zimbalist. It is awarded annually to a student who wishes to major in Political Economics.

HELEN JENKINS GEER SCHOLARSHIP. — The income of a fund of \$5,000. Founded in 1940 by Helen Hartley Geer, Class of 1940, in memory of her mother, Helen Jenkins Geer, Class of 1915. It is awarded annually, after conference with the donor.

LUCRETIA PERRY OSBORN SCHOLARSHIP FUND. — A fund of approximately \$3,800, established in 1940 with gifts from friends, in memory of Lucretia Perry Osborn, a Trustee of Barnard College from 1893 to 1930. The income is to be used to aid one or more needy and deserving students.

NATIONAL SCHOLARSHIPS

Beginning with awards for 1944-45 the Seven College Conference made up of Barnard, Bryn Mawr, Mount Holyoke, Radcliffe, Smith, Vassar and Wellesley will offer annually 21 National Scholarships for incoming Freshmen. Each college will offer a scholarship in each of the three following districts: *Middle West*, Kansas, Missouri, Nebraska; *South*, Louisiana, New Mexico, Texas; and *West*, California, Oregon, Washington.

A minimum award of \$100 will be given each successful candidate, regardless of need, with a maximum award on the basis of need to cover room, board and tuition.

Information and application blanks may be obtained from Mrs. F. Murray Forbes, Jr., Executive Secretary, Committee on National Scholarships for Women, 21 Beaver Place, Boston 8, Massachusetts.

SPECIAL FUNDS FOR THE AID OF NEEDY
AND DESERVING STUDENTS

ARTHUR BROOKS FUND. — A fund of \$5,000, given in 1897 by Miss Olivia E. Phelps Stokes as a memorial to the Reverend Arthur Brooks, D.D., Rector of the Church of the Incarnation and Chairman of the Board of Trustees of Barnard College during the first six years of its existence.

FISKE SCHOLARSHIP FUND. — A fund of \$5,000, given by the late Mrs. Martha T. Fiske-Collord, the income of which is placed at the disposal of the Dean of Barnard College.

GEORGE W. SMITH SCHOLARSHIP FUND. — A fund of \$5,000, given in 1906 by the late Mrs. Martha T. Fiske-Collord as a memorial to Mr. George W. Smith, who was a Trustee of Barnard College. The income of the fund is placed at the disposal of the Dean of the College.

MARY GERTRUDE EDSON ALDRICH SCHOLARSHIP FUND. — A fund of \$1,000, given by Mrs. James Herman Aldrich. The income is used to assist in her senior year a student who has shown in her college life the moral qualities which go to the making of fine womanhood.

SCHOLARSHIP FUND. — A fund of approximately \$12,000, established by general subscription through the Scholarship Committee of the Board of Trustees.

CARPENTIER SCHOLARSHIP FUND. — A fund of \$200,000, the bequest of the late Horace W. Carpentier. The income remaining after the payment of the Carpentier Residence Scholarships described on page 42 is placed at the disposal of the Dean for distribution in scholarships of varying amounts, according to the needs of deserving students.

CAROLINE CHURCH MURRAY FUND. — A fund of \$5,000, established in 1918 by Mr. George Welwood Murray in memory of Caroline Church Murray. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

IRMA ALEXANDER GOLDFRANK FUND. — A fund of \$2,105, established in 1919 by the friends of the late Irma Alexander Goldfrank, 1908. The income is placed at the disposal of the Dean to be used in aid of needy and deserving students.

ALUMNAE SCHOLARSHIP FUND. — A fund of approximately \$4,400, established by the Class of 1912 at its tenth reunion, and subsequently increased by a legacy from the estate of Julia Ludlow Young, an alumna. The income is to be used to help needy and deserving students.

THOMAS F. CLARK STUDENTS' LOAN FUND. — A fund of \$100,000, the bequest of the late Mrs. Fanny Foster Clark. The income is to be used to aid needy and deserving students.

EDNA HENRY BENNETT MEMORIAL SCHOLARSHIP FUND. — A fund of \$1,640, established in 1927 by friends of the late Edna Henry Bennett, 1915, Lecturer in Zoölogy. The income is to be awarded by the Department of Zoölogy to Barnard students for work at a biological laboratory offering summer courses.

CLASS OF 1919 DECENNIAL FUND. — A fund of \$5,000, established in 1929 as a tenth reunion gift by the Class of 1919, to endow a room in Hewitt Hall for the use of a deserving and needy student.

CLASS OF 1921 SCHOLARSHIP FUND. — A fund of \$2,500, established in 1931 as a tenth reunion gift by the Class of 1921. The income is to be used to help needy and deserving students.

EVA-LENA MILLER BOOTH SCHOLARSHIP FUND. — A fund of \$1,000, given in 1932 by the New York City Chapter of the Daughters of the American Revolution as a memorial to the late Mrs. Eva-Lena Miller Booth. The income is to be used to help needy and deserving students.

ALPHA ZETA CLUB SCHOLARSHIP FUND. — A fund of \$2,500, established in 1936 by the Alpha Zeta Club. The income is awarded to a member of the graduating class for graduate work or, at the discretion of the Dean, to an undergraduate for undergraduate work.

IDA BLAIR MEMORIAL FUND. — A fund of \$700, established in 1937 by the Women's Democratic Union, in memory of Ida Blair. The income of the fund is to be used for the purchase, in each year, of books for such student in Barnard College (preferably one studying political science) as shall be designated as deserving by the Dean.

CLARA BUTTENWIESER UNGER MEMORIAL FUND. — A fund of \$1,000, established in 1938 by the late Joseph L. Buttenwieser, in memory of his daughter, Clara Buttenwieser Unger, of the Class of 1913. The income of the fund is to be awarded annually to assist through her senior year a student whose subject of major interest is Government, and who shows promise of ability to contribute to the promotion and perpetuation of true democracy under our Constitution.

EDWARD S. HARKNESS SCHOLARSHIP FUND. — A fund of \$100,000, established in 1939 with a gift from the late Edward S. Harkness. The income of the fund is used to aid able and needy students.

ANNE BROWN ENDOWMENT SCHOLARSHIP FUND. — A fund of approximately \$20,000, given in 1939 by the Anne Brown Alumnae Association and dedicated to the late Anne Brown. The income is used for scholarships for young women of the City of New York who would otherwise be financially unable to attend Barnard.

FINE ARTS SCHOLARSHIP FUND. — A fund of \$3,900, established in 1939. Either the principal or the income may be awarded to students for fine arts travel or study in this country or abroad.

GRADUATE FELLOWSHIPS

STUDENTS' LOAN FUND

A Students' Loan Fund is maintained by the Associate Alumnae. From this fund loans are made at a low rate of interest to upper classmen in need of financial assistance for college tuition and residence fees. The maximum amount loaned to any one student is definitely limited. Loans are made on a single semester's basis, and applications must be presented for each semester. The principal and interest are to be paid on a quarterly basis within three years after graduation in the case of loans of \$200 or less and within five years in the case of all larger loans. Inquiries may be made of the Alumnae Secretary in the Associate Alumnae Office, Riverside Building, or addressed to Mrs. David S. Muzzey, 492 Van Cortlandt Park Avenue, Yonkers, N. Y.

The operation of this fund as a revolving loan fund, as distinct from the special scholarship funds already mentioned, makes it possible to keep the capital in continuous use by successive generations of students. The committee does not deem it advisable to lend a very large amount to any one student, as it has found in its experience over the last few years that repayments prove a burden on the borrowers, particularly if the time schedule of repayment cannot be maintained and interest accumulates. However, the committee desires to make the fund as helpful as possible and wishes to have students in need of assistance apply to it freely and consult with the committee as to possible methods of meeting their financial difficulties.

GRADUATE FELLOWSHIPS

GEORGE WELWOOD MURRAY GRADUATE FELLOWSHIP. — The income of a fund of \$15,000. Established by Mr. George Welwood Murray in 1930. The holder is to pursue a year of graduate study at Columbia or any other university or college of approved standing. This fellowship is to be awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work in the field of the humanities and/or the social sciences. Should the recipient prove in no need of financial assistance, she may retain the title and honor but resign the income, which may then be used by the College for other fellowships or scholarships. This fellowship is not to be applied for but is to be awarded each year as soon as possible after the mid-year examinations. Students graduating in February are to be eligible, as well as those graduating in June.

GRACE POTTER RICE FELLOWSHIP. — Established in 1935 by Mr. Winthrop Merton Rice in memory of his wife, Grace Potter Rice, Instructor and Assistant Professor of Chemistry at Barnard from 1918 until 1934. It is of an annual value of \$600. The holder is to pursue a year of graduate study in natural sciences or mathematics at Columbia or any other university or college of approved standing. This fellowship is awarded each year as an academic honor to that member of the graduating class of Barnard College who, in the opinion of the Faculty, shows most promise of distinction in her chosen line of work. Should the recipient prove in no need of financial assistance, she may retain the

title and honor but resign the income, which will then be used for other fellowships or scholarships. This fellowship is not to be applied for, but is awarded each year as soon as possible after the mid-year examinations. Students who have graduated in February are eligible, as well as those who are to graduate in June.

PUBLIC SERVICE FELLOWSHIP. — The income of a fund of \$30,000. Established in 1934 by the Women's Organization for National Prohibition Reform. The holder is to pursue a year of graduate study in one or more of the related fields of History, Economics, Government, and Social Science at any college or university of approved standing. This fellowship is awarded annually by the Faculty of Barnard College to a woman graduate of any approved college or university who has shown special ability in the field of political science and promise of future usefulness in the public service.

KIMBALL FELLOWSHIP. — The income of a fund of \$32,800. Founded in 1938 with a bequest of the late Lilian Emma Kimball. This fellowship is to be awarded to a woman from Spain or one of the Spanish-American countries who shall pursue a year of graduate study at Columbia or elsewhere, under the direction of a special committee of women members of the Faculty.

THE HERBERT MAULE RICHARDS FUND. — Established by the Barnard Botanical Club, former students, and friends in memory of Professor Richards, an officer of the Department of Botany from 1896 to 1928, and Chairman from 1897 to 1928. The income from this fund will be granted from time to time to further botanical research, under the direction of an approved institution, to a student or an alumna of Barnard College.

MARGARET MEYER GRADUATE SCHOLARSHIP

An annual graduate scholarship of a value of \$75, established by Mrs. Alfred Meyer in 1923 in memory of Margaret Meyer Cohen of the Class of 1915, awarded annually to a member of the graduating class and providing a course of training in secretarial work.

PRIZES

The following prizes are awarded annually, on the recommendation of the appropriate departments of the Faculty of Barnard College, in accordance with the special conditions named below. No prize will be awarded to any student who falls below grade of C in any course during the year in which she is a competitor.

HERRMAN BOTANICAL PRIZE. — A prize consisting of the income of a fund of \$1,000, founded by the late Mrs. Esther Herrman, is awarded annually to the most proficient undergraduate student in botany.

KOHN MATHEMATICAL PRIZE. — A prize consisting of the income of a fund of \$1,000, founded by Mrs. S. H. Kohn, is awarded annually to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

THE JENNY A. GERARD MEDAL. — The Jenny A. Gerard Gold Medal, given in 1908 by the Society of the Colonial Dames in America in memory of Mrs. James Gerard, late President of the Society, is awarded annually to the undergraduate student of American birth in Barnard College who is most proficient in American colonial history.

SPERANZA PRIZE IN ITALIAN. — A prize consisting of the income of a fund of \$1,000, founded by a former student in memory of the late Carlo Leonardo Speranza, Instructor and Professor of Italian at Barnard from 1890 until 1911, is awarded annually to a student in Barnard College for excellence in Italian.

VON WAHL PRIZE. — A prize consisting of the income of a fund of \$1,300, founded in 1915 in memory of Constance von Wahl, of the Class of 1912, President of the Undergraduate Association, is awarded annually to a student for excellence in zoölogy, on the understanding that it is to be used to advance her knowledge in that field. If in any year no student stands out as eminently deserving of the prize, it is not awarded.

CAROLINE GALLUP REED PRIZE. — A prize consisting of the income of a fund of \$1,000, founded in 1916 by Mrs. William Barclay Parsons in memory of her mother, Mrs. Sylvanus Reed, for the recognition of special study in the subject of the origin of Christianity and early church history, is awarded annually to the student who shows the highest excellence in this field of work. The award is made partly on the basis of an examination and partly on the basis of an essay to be handed in by May 1. A syllabus of the period to be covered may be obtained from the Chaplain of the University.

JEAN WILLARD TATLOCK MEMORIAL PRIZE. — A prize consisting of the income of a fund of \$1,250, founded in 1917 by her friends in memory of Jean Willard Tatlock, of the Class of 1895, is awarded annually to the undergraduate student most proficient in Latin.

THE HELEN PRINCE MEMORIAL PRIZE. — A prize consisting of the income of \$1,200, founded in 1921 by Mr. Julius Prince in memory of his daughter, Helen C. Prince, of the Class of 1922, is awarded annually to an undergraduate student in Barnard College for excellence in dramatic composition.

DEAN PRIZE IN GERMAN. — A prize consisting of the income of \$1,000, one-fifth of a fund of \$5,000 established in 1925 by Mr. Edward D. Adams for the promotion of the study of German language and literature in Barnard College, is awarded annually to that member of the senior class at graduation who has throughout her course done the best work in German language and literature.

FRANK GILBERT BRYSON MEMORIAL PRIZE. — A prize consisting of the income of a fund of \$3,000, founded in 1931 with a bequest from the late Ella Fitzgerald Bryson, of the Class of 1894, in memory of Frank Gilbert Bryson, is awarded annually to a member of the graduating class who has given conspicuous evidence of unselfishness during her college course.

MARY E. ALLISON PRIZE. — A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison in

memory of her mother, Mary E. Allison, is awarded annually to a student of general excellence in scholarship.

ESTELLE M. ALLISON PRIZE. — A prize consisting of the income of a fund of \$1,000, founded in 1937 with a bequest from the late Estelle M. Allison, is awarded annually to a student for excellence in literature.

PRIZE ESSAY CONTEST IN COLONIAL HISTORY. — The National Society of Colonial Dames in the State of New York sponsors an annual prize essay contest open to Sophomores, Juniors and Seniors of Barnard College. The first prize is \$50 and a gold medal; the second prize is a gold medal.

A topic will be selected from the field of American colonial history by the Barnard College History Department and submitted for approval to the Colonial Dames. This should be done by October of each year. Students will then write essays on the subject, which will be submitted to the History Department and judged for literary excellence and historical accuracy. The History Department, as shortly after March 1 as possible, will then submit the four or five best essays to the Colonial Dames for final judgment of the two prize-winners. The essays should be from 5,000 to 10,000 words in length. The awards will be announced by May 1.

The following prizes of Columbia University are by their terms open to students of Barnard College:

BENNETT PRIZE. — A prize established through a gift of \$1,000 from James Gordon Bennett may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporary interest in the domestic or foreign policy of the United States. The competition is open to students not holding a Baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science. The subjects for the essay to be handed in May 1, 1945, are: "The Case for and against the Repeal of the Chinese Exclusion Act," "Obstacles to the Good Neighbor Policy with Latin America," "State versus Federal Adjustment of Labor Disputes."

THE BUNNER MEDAL. — The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded annually at Commencement to the candidate for a Columbia degree who shall present the best essay on an assigned subject in American literature. The award will be made by a committee to be appointed by the President. The subject for the essay to be handed in May 1, 1945, is: "Joyce's Effect on American Fiction."

EARLE PRIZE IN CLASSICS. — A prize of \$50, established in memory of Mortimer Lamson Earle, Instructor in Greek in Barnard College from 1889 to 1895 and from 1898 to 1900, and Professor of Classical Philology from 1900 to 1905, is open for annual competition to all candidates for the degree of Bachelor of Arts. It is awarded partly on the basis of a special examination, partly on the basis of consistently good work in the regular Greek and Latin courses. The special examination covers specified portions of Greek and Latin literature, sight reading in Greek and in Latin, and prose composition in Greek and in Latin. The special subjects for 1945 are: 1. Sophocles, *Ajax*, edited by R. C. Jebb and A. C. Pearson; (the larger edition of Jebb should also be con-

sulted). 2. Seneca, *Select Letters*, edited by W. C. Summers, letters 7, 51, 53, 55, 79, 80, 84, 86, 87, 88, 90.

For the award in 1945, the examination will be held in January. Students are urged to do much of their work for the examination during the preceding summer vacation.

THE CAROLINE PHELPS STOKES PRIZE. — The Caroline Phelps Stokes Prize of \$40 is awarded annually at Commencement to that student who, having been regularly enrolled in Columbia College, or Barnard College, or Teachers College as a candidate for an academic degree, for not less than two sessions, winter or spring, shall be deemed to have written the best essay upon an assigned topic bearing upon the rights of man. The subjects for the essay to be handed in May 1, 1945, are: 1. "The Infringement of Rights by the Growth of Administrative Law." 2. "The Obstacles in the Way of Assuring Equality of Opportunity and True Democratic Citizenship for the Negroes of the United States — and the Methods for Overcoming these Obstacles." Essays on topics other than those stated above will be accepted for competition, provided that they are relevant to the general topic of the rights of man.

RESIDENCE HALLS

Brooks Hall and Hewitt Hall (see page 18), the residence halls for Barnard College students, will open on Friday, September 22, 1944, and will close at 12 noon Thursday, June 7, 1945. Candidates for admission or students who wish to secure accommodations in the halls during the September entrance or deficiency examinations should make arrangements directly with the Assistant to the Dean in charge of Residence Halls, not later than June 1 or September 1, respectively.

Full information in regard to the situation and cost of rooms and the advance deposit is published in a separate pamphlet, to be had on application to the Assistant to the Dean in charge of Residence Halls. All correspondence regarding accommodations in the halls should be addressed to the Assistant to the Dean in charge of Residence Halls, Barnard College, New York 27, N. Y. All checks and money orders should be made payable to the order of Barnard College. For the residence hall fees see page 26.

The post-office address for resident students is Brooks Hall, 3001 Broadway, New York 27, N. Y.

For regulations in regard to the residence of students who do not live in Brooks Hall or in Hewitt Hall, see page 18.

The King's Crown Hotel, located at 420 West 116th Street, in close proximity to the University, is owned by the University. It provides accommodations at reasonable rates, available for relatives and guests of members of the University.

HEALTH AND PHYSICAL EDUCATION

The University Medical Officer, Dr. William H. McCastline, the College Physician, Dr. Gulielma F. Alsop, and the Head of the Department of Physical Education, Professor Agnes R. Wayman, by means of lectures, personal advice,

and a broad program of activity adapted to the needs and condition of the individual, endeavor to promote the health of the students. The sanitation of the College is under their supervision. Assistant physicians, two trained nurses, and six instructors work under their direction.

A physical and medical examination is required of each student upon entrance, at the end of the first year, and just before graduation. A motor capacity test and a swimming test are also given upon entrance. Frequent medical inspections are given each student. These examinations and tests are made the basis for determining the type of physical activity a student should take. Great emphasis is placed upon "physical fitness" and upon the teaching and learning of skills which can be used after college in order to maintain fitness. Special remedial and corrective classes as well as rest periods are provided for students requiring special individual attention. When necessary, recommendations are made to the Committee on Instruction regarding the student's academic program. As far as possible the work in the Department of Physical Education is conducted in the open air and the program is planned to meet the problem of individual differences and interests.

In addition to the medical offices, treatment rooms, and the offices of the Department of Physical Education, Barnard Hall contains a gymnasium, swimming pool, a room for physical examinations, one for "remedial" work, and a dance studio. The students have also, on Milbank Quadrangle, tennis courts, tenikoit courts, and a practice field for games. The roof of the building is provided with equipment for "moderate" games for the students physically unable to take part in more strenuous activities. There are three additional tennis courts, golf cages, and an archery range on the Riverside Quadrangle. A rest room is reserved for the use of the students.

An all-year-round camp is maintained in Westchester Co., near Ossining, N. Y., on a 17-acre plot of wooded land. This camp was the gift of the Alumnae in 1933. It is administered by a committee representing the Athletic Association, the Department of Physical Education, the Academic Faculty, and the Alumnae. It furnishes an ideal opportunity for recreation and activity in the open as well as for the practice and learning of camp crafts.

Much stress is laid upon the development and training of student leaders, and ample opportunity is offered for students to assume responsibilities in connection with the work of the department, as well as that of the Athletic Association.

THE UNIVERSITY LIBRARY

The Libraries of the University contain about 1,934,500 volumes, exclusive of unbound pamphlets and doctoral dissertations. The various departments of instruction have special libraries in connection with their lecture rooms and laboratories. The Avery Architectural Library, the Law Library, the Ella Weed Library of Barnard College, the Teachers College Library, and the libraries of the College of Physicians and Surgeons and the College of Pharmacy are all available to students of the University.

For the convenience of the undergraduates of Barnard College there is maintained in the Ella Weed Library in Barnard Hall a carefully selected collection of reference books of about 63,499 volumes.

THE UNIVERSITY BOOKSTORE

The official University Bookstore is situated in the Journalism Building, with entrances at the southeast corner of 116th Street and Broadway, and from South Quadrangle between Furnald Hall and Journalism. Books and other supplies are sold at discounts from the usual prices. The store is open Monday through Friday from 8:30 A.M. to 8:00 P.M.; Saturday, 8:30 A.M. to 6 P.M.; during the first days of each session, until 10 P.M. The store maintains a theater and concert ticket service, a travel bureau, telegraph agency, and other services with substantial savings to Columbia students. Students having deposit accounts with the University may also make withdrawals at the bookstore.

Branches of the University Bookstore are maintained in Avery Hall, the McMillin Theater lobby, and at the College of Physicians and Surgeons.

ASSEMBLIES

University and College assemblies and other academic meetings at which attendance is required are held on Tuesday at 1:10 o'clock. Students must keep this hour free from other engagements.

ST. PAUL'S CHAPEL

Services are held in the University Chapel, St. Paul's, every day, except Saturday, from 12 to 12:20. On Sunday morning the service is at 11. The aim of the Chapel is to provide suitable expression for the religious life and to give due place for its cultivation and influence. Attendance is voluntary. A plan of Chapel membership is provided, so that all who wish may have this affiliation and share in the work of the Chapel.

The choir is made up of students, and there is also a Chapel chorus. (See announcement of Department of Music, page 114.)

Besides the Chaplain and Assistant Chaplain, there is a staff of assistants, and there is also an adviser of religious organizations in Barnard College. Counselors for Protestant, Catholic, and Jewish students are also associated with the University.

OCCUPATION BUREAU

The Occupation Bureau registers alumnae and students in search of employment or professional advancement, and recommends them to employers who apply to the College. It supports by letters of recommendation applications which qualified candidates may make directly on their own initiative. In many cases, it can supply introductions to possible employers and suggest lines of approach.

In general, students are not advised to undertake employment during their first winter or spring session in college, since it is difficult for them to estimate at first the amount of time that can safely be spared from academic work. That is, the College prefers that they do not enter until they have funds available for the first year's expenses. After the first session or first year an able student in good health, who does not have to commute, can usually arrange to spare three

or four half-days a week, and can perhaps earn a part of her expenses in this way. Some summer work may also be obtained. Most unskilled student work however, is paid at a low rate. No student who carries a full course can expect to earn all of her expenses, both tuition and living. Opportunities for part-time work calling for the number of hours that a student can spare are less than the number of students in search of them.

Both students and graduates making inquiry of the bureau are given as much information as possible about opportunities in different lines of work and the requirements therefor. For each student a personal record including scholastic achievement, extra-curricular interests, vocational interests and experiences, etc., is kept in this office, in order that the vocational information given may be as helpful as possible. A small library of vocational books, pamphlets, and bibliographies is in the bureau for the use of students, as well as files of civil service examination notices and regulations of state and city education departments. Considerable information in regard to occupational problems, opportunities, and requirements is accumulated through the survey of alumnae occupations and earnings made in connection with the *Alumnae Register* and through the informal individual reports of the many graduates who keep in personal touch with the bureau. The Vocational Advisory Committee of the Associate Alumnae coöperates with the bureau, particularly in planning vocational meetings; and members of the Faculty assist students with information in regard to particular occupations.

The College keeps in touch with the *Coöperative Bureau for Teachers* and the *Institute of Women's Professional Relations*, and utilizes the information collected by them.

STUDENT ORGANIZATIONS

Under the system of self-government in use in the College, the various student organizations are supervised by the Student Council and the Representative Assembly, subject to the general approval of the Faculty. The Student Council also administers the Honor Code, in accordance with which all students on entering Barnard College agree to maintain a high standard of honor in examinations and all phases of college life.

Every regular or unclassified student is a member also of the Undergraduate Association, and as such is at liberty, on payment of the student fee, to take part in all general undergraduate and class functions, to make use of all privileges of the Athletic Association, and to receive the College weekly paper and literary quarterly. Special students may become special and associate members of the Association, if they so desire.

STATISTICS

	1889 to 1890	1894 to 1895	1899 to 1900	1904 to 1905	1909 to 1910	1914 to 1915	1919 to 1920	1924 to 1925	1929 to 1930	1930 to 1931	1931 to 1932	1932 to 1933	1933 to 1934	1934 to 1935	1935 to 1936	1936 to 1937	1937 to 1938	1938 to 1939	1939 to 1940	1940 to 1941	1941 to 1942	1942 to 1943	1943 to 1944
UNDERGRADUATES, REGULAR:																							
Seniors . . . . .	..	9	40	83	62	*123	87	*126	227	189	195	*213	170	*181	*189	*183	*200	*178	*164	172	180	*169	*173
Juniors . . . . .	..	18	40	71	122	110	190	259	237	222	230	207	229	220	209	231	196	179	191	206	185	242	274
Sophomores . . . . .	..	18	37	75	109	191	193	234	247	264	232	233	243	226	232	199	188	193	210	212	219	254	248
Freshmen (regular)	4	26	54	110	188	240	224	271	311	291	282	262	241	267	241	257	234	236	246	248	257	291	350
Freshmen (partly regular)	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unclassified students . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
SPECIAL STUDENTS:	14	71	171	339	481	664	694	947	1076	1028	1002	1008	970	997	1003	1005	958	923	954	967	979	1013	1131
Matriculated . . . . .	..	..	21	27	24	32	39	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nonmatriculated . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Departmental (1889-1896)	22	29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Music students (1896-1904, 1914-1915) . . . . .	..	..	41	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
GRADUATE STUDENTS (1890-1900)	22	29	62	27	54	69	61	33	28	26	42	35	32	29	24	28	28	31	31	27	30	27	23
TOTAL STUDENTS PRIMARILY REGISTERED AT BARNARD . . . . .	..	19	82	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL STUDENTS FROM COLUMBIA UNIVERSITY	36	119	315	366	535	733	755	980	1104	1054	1044	1043	1002	1026	1027	1033	986	954	985	994	1009	1040	1154
STUDENTS FROM TEACHERS COLLEGE . . . . .	..	..	..	62	59	28	80	153	234	195	167	143	118	163	171	174	114	119	92	88	66	60	37
TOTAL STUDENTS FROM OTHER PARTS OF THE UNIVERSITY . . . . .	..	..	18	77	200	*108	38	50	62	45	46	29	37	21	48	25	22	26	20	25	11	8	1
TOTAL REGISTRATION . . . . .	..	..	18	139	259	136	118	203	296	240	213	172	155	184	219	199	136	145	112	113	77	68	38
DEGREES CONFERRED:	36	119	333	505	794	869	873	1183	1400	1294	1257	1215	1157	1210	1246	1232	1122	1099	1097	1107	1086	1108	1192
A.B. . . . .	..	8	39	83	88	141	139	198	247	218	219	231	200	221	219	210	245	216	206	209	221	201	..
B.S. (1909-1918) . . . . .	..	..	..	..	2	8	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
A.M. (1894-1900) . . . . .	..	1	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ph.D. (1895-1900) . . . . .	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TOTAL BACHELORS' DEGREES CONFERRED 1893-1943: A.B., 6984; B.S., 77.

* The figures for seniors include students counting the first year in a professional school of the University in place of the fourth year at Barnard as follows:

1913-14 18 in Education	1937-38 3 in Law
1914-15 3 in Education	1938-39 1 in Architecture,
1916-17 1 in Journalism	1 in Medicine
1921-22 1 in Journalism	1939-40 1 in Business,
1922-23 1 in Journalism	1 in Law
1923-24 2 in Journalism,	1942-43 1 in Law
1 in Medicine	1943-44 1 in Law

DEPARTMENTAL STATEMENTS

The following general regulations apply to all courses. The paragraphs on "The Program of Studies," pp. 27-29, should be carefully read.

PREREQUISITES AND CREDIT. — Admission to courses depends upon completion of the prerequisites as stated for each course. When no department is named, it is to be assumed that the reference is to a numbered course in the same department. In all cases the requirements as to prerequisites for any course must be completed before the beginning of the winter or of the spring session in which the course is given. Where no prerequisite is stated and where no limitation is noted, the course may be taken for the degree by any student of the college.

No credit in points will be given for a course which is taken subsequent to the course or courses for which it is in any way a prerequisite, though not formally so announced. Courses must be taken for the credit value announced — for no more or no less.

DESIGNATION OF COURSES. — Courses designated by capital letters are prescribed. Elective courses are designated by numbers, odd numbers indicating the winter session, and even numbers the spring session. A compound course is therefore designated by an odd number and the succeeding even number. The numbers from 1 to 99 inclusive are given to courses open only to undergraduates; the numbers from 100 to 199 inclusive are given to courses open to both undergraduates and graduates, the lower numbers in each case being used for the introductory courses.

Indivisible courses are announced with a hyphen between the numerals (*e.g.*, History 1-2) and are regarded as full-year courses of which the first half is always assumed to be prerequisite for admission to the second half, and, except for reasons of weight, and with the written consent of the instructor and the Committee on Instruction, no credit will be given for work dropped at the mid-year or before the completion of the course.

Divisible courses are announced with a comma between the numerals (*e.g.*, English 1, 2). Of these courses the first half may be taken separately but is ordinarily assumed to be prerequisite to the second half. *Therefore, admission to the second half of a divisible course is granted only when all prerequisites have been met and the written consent of the instructor obtained.*

A Roman numeral in parentheses after the hour indicates the section number (*e.g.*, M., W. and F. at 9 (I), at 10 (II), etc.).

COURSES AT COLUMBIA UNIVERSITY OR TEACHERS COLLEGE. — Courses marked with an asterisk (*) are given at Columbia University (*cf.* p. 30).

Courses marked with a dagger (†) are given at Teachers College. *Work at Teachers College mentioned herein may be pursued only by regularly enrolled students of Barnard College and only when counting toward the Barnard Col-*

lege degree. Certain courses not here specified as being open at Teachers College may, through the courtesy of Teachers College and with the consent of the Committee on Instruction, be taken by specially qualified seniors.

WITHDRAWAL OF COURSES. — When an announced course has not been applied for by at least three candidates for the degree, the instructor may withdraw it.

TEXTBOOKS, etc. — For further detailed information in regard to topics, textbooks or methods in any particular course students are referred to the instructors.

INTERDEPARTMENTAL MAJORS

AMERICAN STUDIES

Designed to give students an opportunity to concentrate on a study of American civilization from the aspects of economics, government, history, literature, philosophy and sociology, with some contact with related fields.

Committee in charge for 1944-45, Dean Gildersleeve, Chairman, ———, Executive officer.

Students wishing to major in American Studies should apply for permission in the second term of their sophomore year. The program of each student will be planned in consultation with a member of the American Studies Committee.

Students looking forward to becoming majors in American Studies are advised to take the following courses during their freshman and sophomore years:

A. *History* 9, 10 (to be taken preferably in the sophomore year)

B. At least 12 points from the following *Basic Courses*:

Economics 1-2

Government 1, 2

English 77, 78

Sociology 1-2

After being admitted as majors, students should take

A. At least 18 points in one of the *Fields of Specialization* listed below.

B. *American Studies* 1-2 or *American Studies* 51-52 and *American Studies* 3-4.

C. Additional work in the *Basic Courses* or in related subjects.

Fields of Specialization:

Economics, Government, History, Literature and Philosophy, Sociology

Related Fields:

Anthropology, Geography and Geology, Religion

[**AMERICAN STUDIES 1-2** — An introduction to American institutional development. Full-year course.

8 points. Not given in 1944-45.]

AMERICAN STUDIES 3-4 — An integrated study of American culture, emphasizing for each student her *Field of Specialization*. The course stresses seminar

and tutorial work, and extensive reading. Members of the participating departments preside over the seminars. Full-year course.

Open only to senior majors in American Studies. Hours to be arranged. 8 points.

AMERICAN STUDIES 51-52 — Special Reading.

4 points.

PROGRAM FOR HOSPITAL LABORATORY WORKERS

This program is intended to give the basic training in science essential for working in hospital laboratories. Each student must satisfy the usual requirements for the degree and, in addition, must follow certain specific courses in botany, chemistry, mathematics, physics, and zoölogy.

A practicable four-year schedule which includes all the required work in science follows:

<i>Freshman Year</i>	<i>Points</i>	<i>Sophomore Year</i>	<i>Points</i>
Chemistry 5-6	8	Chemistry 63, 64	12
Mathematics	6	History	6-8
English A	6	Electives	4-6
Language	6	Zoölogy 1-2	8
Hygiene A	2	Physical Educ. B	—
Physical Educ. A	—		
	<hr/> 28		<hr/> 30-34
<i>Junior Year</i>	<i>Points</i>	<i>Senior Year</i>	<i>Points</i>
Chemistry 424	6	Chemistry 150	6
Electives	11-12	Botany 151-152	10
Physics 11-12	8	Electives	16
Zoölogy 13	5	Physical Educ. D	—
Physical Educ. C	—		
	<hr/> 30-31		<hr/> 32

Students interested in this program should consult Professor Reimer or Professor Gregory.

INTERNATIONAL STUDIES

Designed to prepare students for government work connected with winning the war and for participation in post-war relief and reconstruction.

Committee in charge for 1944-45, Professor Peardon, Chairman.

Students majoring in International Studies will be expected to satisfy the requirements described in A, B, C and D below.

A. Four years of college work in a modern language or the equivalent.

B. A selection, to be decided upon in consultation with the Committee on International Studies, of fundamental courses in anthropology, economics, fine arts, geography, government, history and sociology. This requirement, and the general requirement for a candidate for the degree of Bachelor of Arts described on page 27 should be satisfied before the end of the junior year.

INTERDEPARTMENTAL COURSES

- C. In the fourth year students will be expected to specialize in certain regions, e.g., the Far East, Latin America, the British Empire, Europe, with particular reference to one country.
- D. In the fourth year they will also be required to take an interdepartmental seminar in International Studies.

INTERNATIONAL STUDIES 51-52 — Special study by each student of selected aspects of her area of specialization; group discussion of topics of common interest. Full-year course.

Open only to senior majors in International Studies. Hours to be arranged. 6 points.

OTHER INTERDEPARTMENTAL MAJORS

For information relating to interdepartmental majors involving two departments only, i.e., GOVERNMENT and HISTORY, GOVERNMENT and ECONOMICS, ECONOMICS and SOCIOLOGY, see departmental statements.

A special grouping of courses directed toward training for Community Service has been arranged by the Sociology and Psychology Departments. Students interested will choose a major in either department. See departmental statements.

INTERDEPARTMENTAL COURSES

AMERICA AND THE FUTURE

PHILOSOPHY 91, 92 — SCHEMES FOR A BETTER WORLD — A BACKWARD LOOK OVER THE UTOPIAN IDEALS OF THE PAST, AN APPRAISAL OF PLANS FOR THE POST-WAR WORLD AND A TAKING STOCK OF THE MEANS TO AN ULTIMATE ACHIEVEMENT OF THE GOOD LIFE IN THE MORE DISTANT FUTURE. The required reading will include the more important Utopias from Plato to the present time supplemented by certain great satires on man and society and works in the field of the social sciences. Class meetings will be devoted in part to a consideration of the texts and in part to symposia in which members of the staff and guest speakers will discuss with one another and with the students the major difficulties that lie in the way of attaining world peace, prosperity and happiness. In place of a final examination each student will write a serious term paper in which, within the frame of her own conception of the good life, she will treat of that aspect of the problem which she is best equipped to handle.

Open to juniors and seniors and specially qualified sophomores on written permission of the department. The course may count toward a major in philosophy and in other subjects with the consent of the departments concerned. F., 3-5. 4 or 6 points.

PROFESSOR PARKHURST and DR. RICH with the collaboration of PROFESSOR MONTAGUE and guest speakers.

MEDIEVAL STUDIES

1-2 — AN INTEGRATED STUDY OF MEDIEVAL CULTURE FROM THE ASPECTS OF FINE ARTS, HISTORY, LANGUAGE, LITERATURE AND PHILOSOPHY, focusing

for each student on one or more special subjects. Each student will be assigned to an individual tutorial adviser under whose direction she will pursue a special program of work consisting of such attendance at lectures, individual conferences with members of the faculty, reading, special research, visits to museums, etc., as may seem best for her needs, and making full use of the resources of the University and of the city. Full-year course.

Open to qualified seniors on written permission of the chairman of the committee in charge. Written application must be made before April 15 on forms to be obtained at the Registrar's office. Students wishing to apply must have taken two of the following courses or their equivalents: English 49, 50; Fine Arts 51, 52; History 17, 18; Italian 19; Philosophy 61. If admitted, they must take two more of these courses parallel to Medieval Studies 1-2. History 17, 18 must be one of those taken, either preceding or parallel. 6 points. MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, GERMAN, HISTORY, ITALIAN and PHILOSOPHY under the direction of a committee. Chairman for 1944-45, PROFESSOR STURTEVANT.

Relation to Major.

Medieval Studies may be counted toward a major in the departments concerned on a variable basis subject to the approval of the departments and the Committee on Medieval Studies.

Related Courses — Not required.

For students who desire a more complete integration of the various aspects of the medieval period, the Committee on Medieval Studies suggests that one or another of the following courses would be especially appropriate in connection with Medieval Studies, according to the primary interest of the individual student: English 53-54, English 57, Fine Arts 152, French 7, German 45, Music 23-24, Philosophy 145-146.

RENAISSANCE STUDIES

1-2 — AN INTEGRATED STUDY OF THE ORIGINS OF THE MODERN ERA AS FOUND IN THE FIFTEENTH AND SIXTEENTH CENTURIES IN EUROPE, FROM THE ASPECTS OF FINE ARTS, HISTORY, LITERATURE AND PHILOSOPHY, focusing for each student on one or more special subjects. A reading course with a special tutorial adviser for each student, culminating in a report or essay on the student's special subject. Full-year course.

Open to juniors and seniors on written permission of the committee in charge. Students should take parallel to Renaissance Studies 1-2 at least two additional courses from the following list. Hours to be arranged. 6 points.

MEMBERS OF THE DEPARTMENTS OF ENGLISH, FINE ARTS, FRENCH, HISTORY, ITALIAN, MUSIC and PHILOSOPHY under the direction of a committee. Chairman for 1944-45, PROFESSOR HOWARD.

English 61, 62 — Shakespeare. PROFESSOR LATHAM.

English 63 — English Literature of the Renaissance. PROFESSOR HOWARD.

English 65 — English poetry from Spenser to Milton. PROFESSOR HALLER.

Fine Arts 62 — Italian Renaissance Sculpture. PROFESSOR LAWRENCE.

Fine Arts 65 — Italian Renaissance Painting. DR. HELD.

- Fine Arts* 66 — Renaissance Painting in Northern Europe. DR. HELD.
French 31, 32 — The Renaissance in France. PROFESSOR ———.
Government 31 — The History of Political Thought. PROFESSOR PEARDON.
Greek 12 — Plato: *Apology*; Euripides (one play). PROFESSOR HIRST.
History 17, 18 — Medieval Civilization and the Renaissance. PROFESSOR BYRNE.
Italian 19, 20 — Italian Civilization. PROFESSORS BIGONGIARI and PREZZOLINI and MISS CARBONARA.
Latin 12 — Horace. PROFESSOR DAY.
Latin 22 — Juvenal, Martial, Pliny. PROFESSOR HIRST.
Music 1-2 — A Survey of Music. PROFESSOR MOORE.
Philosophy 61-62 — The History of Philosophy. PROFESSOR MONTAGUE and DR. RICH.

ANTHROPOLOGY

GLADYS REICHARD, Ph.D., Associate Professor of Anthropology, *Executive officer*

A major in anthropology will satisfy the requirement in Group III. Students majoring in this subject must satisfy the 14-point requirement in Group II in subjects other than anthropology. For other students, courses in anthropology will count toward the group requirement as indicated for each course by the statement made in connection with the point value.

A major in anthropology. — Students majoring in anthropology will be required to take: (a) a comprehensive examination in three parts of which one will be in language, the other two according to the work pursued by the individual student and (b) the following courses in

Anthropology — Courses 1, 2, or 3, 4.

Other fields — A reading knowledge of German and courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

[1, 2 — INTRODUCTION TO ANTHROPOLOGY. *Winter session*: Physical relationships, language and customs of tribes of Africa, New Guinea, Polynesia and other South Pacific islands. Their contribution to civilization, theories of origin and development. *Spring session*: The same with tribes of the new world as examples, especially tribes of the Arctic, Mexico and South America.

Open to all excepting freshmen. Either half of this course may be taken separately. Courses 1, 2 and 3, 4 are ordinarily given in alternate years. 8 points in Group III. Not given in 1944-45.]

PROFESSOR REICHARD.

3, 4 — INTRODUCTION TO COMPARATIVE ANTHROPOLOGY. Problems of race; the growth of civilization; the historical development of industries, forms of art, society and religion. The application of anthropological data to modern social problems; the development of reason; the emotional attitudes determining behavior; the influence of patterns determining lines of thought and action; the individual and society.

Open to all excepting freshmen. Either half of this course may be taken separately. M., W. and F. at 1, and weekly visits to the American Museum of Natural History at hours to be arranged. 8 points in Group II.

PROFESSOR REICHARD.

5, 6 — INTRODUCTION TO LINGUISTICS (formerly LANGUAGE AND THOUGHT). The meaning of language and its relationship to thought and to war problems. The dependence on language of cultural forms including literature, with examples from Spanish, French and German. Intensive analysis of modern languages.

Especially recommended for foreign students and students interested in language and linguistic problems. Course 5 is prerequisite for Course 6. W., 3-5. (Hours may be changed to suit students registering for the course.) 4 points in Group I.

PROFESSOR REICHARD.

7, 8 — THE STUDY OF UNWRITTEN LANGUAGES. Intensive study of exotic languages. Relationship of such problems to war and post-war problems.

Open only on written permission of the instructor. Hours to be arranged. 4 points in Group I.

PROFESSOR REICHARD.

[13 — PRIMITIVE SOCIAL LIFE. Tribal and family organization and its reflections on marriage customs, political purpose and territorial expansion: prestige, property, wealth, inheritance, position of women, education; birth, puberty and funeral customs; the relation of the individual to his environment and comparison of modern and primitive societies.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group III. Not given in 1944-45.]

PROFESSOR REICHARD.

[14 — MAN AND THE SUPERNATURAL. Primitive religion: the effect of religion on motivations and behavior of people with emphasis on practical and administrative problems of native peoples (Africa, Asia and the Pacific Islands, North and South America). Rationalistic and emotional factors in religious life. The relationship of religion to other phases of culture. Theories of origins and development.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. 3 points in Group III. Not given in 1944-45.]

PROFESSOR REICHARD.

[17 — PROBLEMS OF RACE. The meaning of race: biological, linguistic, economic, social, religious, political. The nation and the melting-pot. Composition and distribution of world populations and their significance. Change in populations due to heredity, environment, migration. The basis of prejudice.

Open to sophomores, juniors and seniors. 3 points in Group II. Not given in 1944-45.]

PROFESSOR REICHARD.

51, 52 — SEMINAR: PROBLEMS IN ANTHROPOLOGY. The specific subject for discussion will be determined by the interests of the students applying for the course.

Open only to students who have had some work in anthropology and with written permission of the instructor. May be taken two years in succession. Hours to be arranged. 4 points in Group III.

PROFESSOR REICHARD.

107 — TRADITIONAL LITERATURE. Primitive literature in the old and new worlds. Form and content of tradition: the proverb, riddle, folk tale, myth, fairy tale, romance, adventure, novel, verse and song. Types of character and plot. Mythological styles defined. This course aims to acquaint students with valuable material which is not generally known, rather than to develop mythological theories, although the latter will be briefly discussed.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. M., W. and F. at 11. 3 points in Group I.

PROFESSOR REICHARD.

108 — THE ART OF PRIMITIVE MAN. Control of technic; geometrical and representative design. Art of various groups defined. A study of proportion, of design, line and mass; of rhythm, symmetry and balance; of color. The attitude of the artist and of the social group. Theories of art.

Open to all juniors and seniors and to specially qualified students on written permission of the instructor. M., W. and F. at 11. 3 points in Group I.

PROFESSOR REICHARD.

Graduate Courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Philosophy, Psychology and Anthropology.

ARCHAEOLOGY. See *Fine Arts and Archaeology* and *Greek and Latin*.

ASTRONOMY

§JAN SCHILT, Ph.D., Rutherford Professor of Astronomy, *Executive officer*

*1-2 — GENERAL ASTRONOMY. This course leads to an understanding of our knowledge concerning the structure of the solar system and the sidereal universe. Full-year introductory course.

Tu. and Th. at 11, and quiz and observatory hours, M. at 8 P.M. 301 Pupin. 6 points.

PROFESSOR SCHILT.

§ Officer of Columbia University offering a course open to Barnard students.

Graduate Courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Mathematical and Physical Sciences. Students wishing to continue work in astronomy should note the prerequisites for the advanced courses and plan their work accordingly.

BOTANY

CORNELIA L. CAREY, Ph.D., Associate Professor of Botany, *Executive officer*

¹HAROLD C. BOLD, Ph.D., Assistant Professor of Botany

JAMES MERRY, Ph.D., Instructor in Botany

WINONA E. STONE, M.S., Instructor in Botany

A major in botany. — Students majoring in botany will be required to take:

Botany — Courses 51-52, 53-54 or 55-56, and such other courses, subject to the approval of the department, as meet the particular needs and purposes of each student. Only one of the two courses, 57 and 60, may be counted toward a major.

Other fields — Other courses according to the special needs of the student.

Major students are permitted to use a limited space in the greenhouse for practical work in plant propagation.

51-52 — GENERAL BOTANY. Full-year course.

A portion of the laboratory work is conducted in the greenhouse and occasional field trips are required.

Lectures: Tu. and Th. at 9. Laboratory (4 hours): Tu. and Th., 10-12 or 2-4, or, if more than 60 students elect the course, M. and W., 1-3. 8 points.

PROFESSORS CAREY and BOLD, MISS STONE and MRS. HERVEY.

53-54 — GENERAL MORPHOLOGY OF PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. Occasional field trips are required. Lectures: M. and W. at 11. Laboratory (4 hours): M. and W., 1-3 or 2-4. 8 points.

PROFESSOR BOLD or MISS STONE.

[55-56 — STRUCTURE AND RELATIONSHIPS OF FLOWERING PLANTS. Full-year course.

Prerequisite, Course 51-52 or the equivalent. 6 points. Not given in 1944-45.]

PROFESSOR BOLD or MISS STONE.

57 — THE HISTORY AND USES OF PLANTS. The place of plants in the biological picture; their utilization and significance to man.

This course does not satisfy the requirement of a laboratory science. Lectures: M. and W. at 9. Demonstrations, conferences and trips: Th., 1-3. 3 points.

DR. MERRY.

¹ Absent on war service.

58 — GENERAL PLANT PHYSIOLOGY.

Prerequisite, Course 51-52. Lectures: Tu. and Th. at 11. Laboratory (6 hours): Tu., 2-5 and Th., 1-5, in so far as possible. 5 points.

PROFESSOR CAREY.

59 — GENETICS. Mendelian principles of heredity, sex determination and differentiation, genetic control of development.

Prerequisite, a year of college work in either botany or zoölogy except on written permission of the instructor. Lectures: M. and W. at 3. Laboratory or conference (2 hours): M. and W., 4-5. 3 points.

DR. MERRY.

60 — PLANT CULTURE. Theoretical discussions and practical work on plant propagation.

No previous knowledge of botany is required. This course does not satisfy the requirement of a laboratory science. Open only on written permission of the instructor. Lecture: M. at 1. Laboratory (4 hours): M., 2-4, and two additional hours to be arranged. 3 points.

PROFESSOR BOLD OR DR. MERRY.

64 — GENERAL BACTERIOLOGY.

Open only to science majors of junior or senior standing. Lectures (2 hours) and laboratory (6 hours) to be arranged, preferably on Tu. and Th. 5 points.

PROFESSOR CAREY.

151-152 — BACTERIA AND FERMENT FUNGI. *Winter session: General laboratory technic in bacteriology. Spring session: Pathogenic forms, foods and standard methods of milk and water analysis. Lectures will include the chemistry of bacteria and immunity. Full-year course.*

Prerequisite, at least a year of college work in either botany or zoölogy. Preceding or parallel, organic chemistry. Open only to properly qualified juniors and seniors. Lectures: M. and W. at 1. Laboratory (6 hours): M. and W., 9-12 or 2-5, or hours to be arranged. 10 points.

PROFESSOR CAREY and MISS ———.

[153 — PHYSIOLOGICAL ANATOMY OF VASCULAR PLANTS.

Prerequisite, Course 53-54 or 55-56, except on written permission of the instructor. 5 points. Not given in 1944-45.]

[155 — PHYCOLOGY. An advanced general survey of the freshwater and marine algae.

Prerequisite, Courses 51-52 and 53-54 or the equivalent. Lectures (2 hours) and laboratory (4 hours) to be arranged. 4 points. Not given in 1944-45.]

PROFESSOR BOLD.

160 — PHYSIOLOGICAL MICROBIOLOGY. General physiology of micro-organisms. Reading and reports on contemporary literature. Technic and cultivation of various groups adapted to the needs of students.

Open only on written permission of the instructor. Lectures (2 hours) and laboratory (4 to 6 hours) to be arranged. 3, 4 or 5 points.

PROFESSOR CAREY.

161, 162 — ADVANCED MORPHOLOGY AND PHYSIOLOGY. Work will be planned to suit the needs of the students after consultation with the instructors.

This course may be taken in successive years. Hours and credit by arrangement.

PROFESSORS CAREY and BOLD, DR. MERRY and MISS STONE.

CHEMISTRY

MARIE REIMER, Ph.D., Professor of Chemistry, *Executive officer*

HELEN R. DOWNES, Ph.D., Assistant Professor of Chemistry

EVELYN B. EVANSON, Ph.D., Instructor in Chemistry

MARION H. ARMBRUSTER, Ph.D., Instructor in Chemistry

LUCIA S. FISHER, A.B., Lecturer in Chemistry

CAROLYN FROST BAKER, A.B., Lecturer in Chemistry

A major in chemistry. — Students majoring in chemistry will be required to take:

Chemistry — Courses 5-6, 63, 64, and 41-42. Course 105 is strongly advised.

Other fields — Physics — a year's work in general physics. Mathematics 7-8 or 1 and 22. A course in calculus is advised. A reading knowledge of German to be acquired by the beginning of the third year's work. A reading knowledge of French is also advised for students specializing in chemistry.

5-6 — GENERAL INORGANIC CHEMISTRY. Full-year course.

Preceding or parallel, Mathematics 7-8 or 1 and 22. Lectures: Tu. and Th. at 10 and a third hour, S. at 10 or F. at 1. The S. hour is intended primarily for freshmen. Laboratory: For students who are beginning the subject (I) W. or Th., 2-4:30. For students who have had high-school chemistry (II) M. or Tu., 2-4:30. In order to obtain full credit for the course a student who has had high-school chemistry must take laboratory section (II). 8 points. PROFESSORS REIMER and DOWNES, DR. ARMBRUSTER, MRS. FISHER and MISS DUNBAR.

63, 64 — QUALITATIVE AND QUANTITATIVE ANALYSIS.

Prerequisite, Course 5-6. Laboratory deposit, \$10 each session. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 1-4 or Tu., 2-5 and Th., 1-4. 12 points.

DRS. EVANSON and ARMBRUSTER.

65, 66 — QUANTITATIVE ANALYSIS, ADVANCED COURSE.

Prerequisite, Course 63, 64. Laboratory deposit, \$12.50 each session. This course is designed to meet the needs of individual students and will be given for a class of five or more. Lecture: F. at 1. Laboratory (6 hours): Tu., 2-5 and Th., 1-4. 8 points.

DR. EVANSON.

41-42 — ORGANIC CHEMISTRY. Full-year course.

Prerequisite, Course 5-6 and, except on written permission of the department, Course 63, 64. Laboratory deposit, \$12.50 each session. Lectures: M.,

W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 2-5 or Tu. and Th., 9-12. 12 points.

PROFESSORS REIMER and DOWNES and MRS. BAKER.

42a — ORGANIC CHEMISTRY, SHORTER COURSE.

Prerequisite, Course 5-6. Laboratory deposit, \$15. This course will be given for a class of five or more. Lectures: M., W. and F. at 9. Laboratory (a minimum of 6 hours): M. and W., 2-5 or Tu. and Th., 9-12. 6 points.

PROFESSOR DOWNES and MRS. BAKER.

105 — PHYSICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Physics 11-12 and a course in calculus. Laboratory deposit, \$15. Lectures: M., W. and F. at 2. Laboratory (a minimum of 6 hours): Tu. and Th., 9-12. 6 points.

DR. ARMBRUSTER.

106 — INORGANIC CHEMISTRY, ADVANCED COURSE.

Prerequisite, Courses 63, 64, 41-42; Physics 11-12. Laboratory deposit, \$15. Lectures: M., W. and F. at 10. Laboratory (a minimum of 6 hours): Tu. and Th., 9-12. 6 points.

DR. ARMBRUSTER.

145, 146 — ORGANIC CHEMISTRY, ADVANCED COURSE.

Prerequisite, Courses 5-6, 63, 64, 41-42. Laboratory deposit, \$15 each session. Lectures: M., W. and F. at 11 (Winter session), at 2 (Spring session). Laboratory (a minimum of 6 hours): Tu. and Th., 2-5. 12 points.

PROFESSORS REIMER and DOWNES and MRS. BAKER.

150 — PHYSIOLOGICAL CHEMISTRY.

Prerequisite, Courses 63, 64, 41-42; Zoölogy 1-2. Zoölogy 97-98 is strongly recommended as a parallel course. Laboratory deposit, \$15. Lectures: M., W. and F. at 11. Laboratory (6 hours): Tu. and Th., 9-12. 6 points.

PROFESSOR DOWNES.

157, 158 — PROBLEMS IN CHEMISTRY. Lectures, conferences and laboratory work on advanced topics in organic or inorganic chemistry, or micro-analysis.

Open only to advanced students. Laboratory deposit, \$15 each session. Hours and credit by arrangement.

PROFESSORS REIMER and DOWNES, DRs. EVANSON and ARMBRUSTER.

CHINESE

*Chinese 101-102 — Elementary Chinese. PROFESSOR GOODRICH.

*Chinese 103-104 — Second year Chinese. PROFESSOR GOODRICH.

*Chinese 105-106 — Classical Chinese. PROFESSOR WANG.

These and other courses in Chinese language, history and culture are open to qualified Barnard students in special cases.

CLASSICAL CIVILIZATION. See Greek and Latin.

COMPARATIVE LITERATURE ¹

Staff for 1944-45

§DINO BIGONGIARI, A.B., Da Ponte Professor of Italian

§GIUSEPPE PREZZOLINI, Professor of Italian

[9, 10 — MEDIEVAL AND RENAISSANCE CULTURE, AS EXEMPLIFIED BY LITERARY DOCUMENTS, ITALIAN AND LATIN. *Winter session*: The significant aspects of thirteenth- and fourteenth-century civilization: Dante and his contemporaries. Rise of Humanism: Petrarch and Boccaccio. *Spring session*: Revival of classical learning; return of Platonism; culture of the Medici court. Classical drama with special reference to pastoral plays and tragi-comedies. Historians and their political teachings; Machiavelli. Artistic theories and the doctrine of the preëminence of the fine arts in the life of man: Alberti, Da Vinci, Michelangelo, Vasari. Origins of modern science: Galileo.

Open to juniors and seniors. Recommended for English majors. 6 points. Not given in 1944-45.]

PROFESSORS BIGONGIARI and PREZZOLINI.

DRAMA

For the student who is particularly interested in dramatic literature and its development — both historical and technical — the following courses are recommended. Details regarding them may be found on the pages noted.

The attention of the student who wishes to obtain a thorough knowledge of the collateral development and interrelationship of the drama in England and on the continent is directed to Group B.

For a more intensive study of certain dramatists and their works and influence, courses in Group C should be elected, after a study of some phase of the development of the drama.

For students interested in modern drama, Group D, some knowledge of preceding development is desirable.

The writing of plays and work on the stage as author, director, and actor as in Group E invests the student with some technical knowledge of the structure and production of plays and the problems which arise from the stage and the conventions of certain periods.

(Note. Except where specified, all texts are read in their original tongues.)

GROUP A — THE CLASSICAL DRAMA

Archaeology 72 — The Greek and Roman Theatre. PROFESSOR BIEBER. See page 101.

Greek 21 — Greek Tragedy. PROFESSOR DAY. See page 102.

Greek 22 — Greek Comedy: Two Plays of Aristophanes. PROFESSOR DAY. See page 102.

¹ All courses are conducted in English.

§ Officer of Columbia University giving instruction in Barnard College.

ECONOMICS AND SOCIOLOGY

GROUP B — THE HISTORY OF THE DRAMA

- English* 59 — Modern English Drama. PROFESSOR LATHAM. See page 82.
French 27, 28 — History of the French Drama. PROFESSOR HOFFHERR. See page 91.
Spanish 17-18 — The Spanish Drama of the Golden Age. PROFESSOR DEL RÍO. See page 135.

GROUP C — DRAMATISTS

- English* 61-62 — Shakespeare. PROFESSOR LATHAM. See page 83.
German 5, 6 — Lessing, Goethe and Schiller. PROFESSOR PUCKETT. See page 96.

GROUP D — MODERN DRAMA

- English* 59, 60 — Modern English Drama. PROFESSOR LATHAM. See page 82.
Spanish 22 — Contemporary Spanish Literature. PROFESSOR DEL RÍO. See page 136.

GROUP E — PLAY WRITING

- English* 15, 16 — Play Writing. PROFESSOR LATHAM. See page 80.
English 81 — Dramatic Workshop. MR. RUBEN and MISS FREEMAN. See page 80.
Wigs and Cues, the Barnard dramatic club, offers opportunities for experience in directing, acting, stagecraft and producing.
The Columbia University Radio Club offers opportunities for broadcasting experience over the local station CURC.

ECONOMICS AND SOCIOLOGY

A major in economics. — Students majoring in economics will be required to take:

Economics — Courses 1-2, 13 or 14, 17 and 27. Beyond these courses the work will vary with the interests of the students. Advanced courses may be taken parallel to Courses 13 or 14 and 17, and in some cases parallel to Economics 2.

Other social sciences — In view of the essential unity of the social sciences every student majoring in economics or in sociology, or in a combination involving these disciplines, is required to take courses amounting to 12 points in two of the following departments, as selected in conference with her adviser: anthropology, geography, government, history, philosophy, psychology, religion. Economics majors may elect courses in sociology, including *Sociology* 1-2, in place of courses in any one of the departments listed above.

A major in sociology. — Students majoring in sociology will be required to take:

Economics 1-2, 17, and other courses which will vary with the interests of the students. With written permission of the department, one or more courses in allied subjects may be offered as part of the required 28 points. Only one introductory course may count toward the major.

Other social sciences — see requirement stated above, except that sociol-

ogy majors may elect courses in economics, including *Economics* 1-2, in place of courses in any one of the departments listed above.

As a result of the war emergency, there is considerable need for students even partially trained in various types of welfare work, personnel work and group work, nursery school work, community organization, social investigation and counseling. Students who wish to prepare themselves for this field may do so by taking certain sequences of courses toward a major in sociology or in psychology. Students who are interested should consult one of the two departments, and should read the special memoranda on *Training for Welfare Work* and *Training for Personnel Work*.

A major in economics and sociology. — Students majoring in economics and sociology will be required to take:

Economics 1-2, 13 or 14, 17, 27; *Sociology* 1-2 and 31, 32 and at least one additional course in economics or in sociology. Only one introductory course may count toward the major.

Other social sciences — see requirement stated above.

A major in economics and government. — Students majoring in economics and government will be required to take:

Economics 1-2, 13 or 14, 17, 27; *Government* 1, 2, 3, 4, 25, 26 and at least one additional course in economics or in government.

Other social sciences — see requirement stated above.

See also *American Studies*, page 58.

ECONOMICS

ELIZABETH FAULKNER BAKER, Ph.D., Associate Professor of Economics,
Executive officer

¹RAYMOND J. SAULNIER, Ph.D., Assistant Professor of Economics

DONALD B. MARSH, Ph.D., Instructor in Economics

CLARA ELIOT, Ph.D., Lecturer in Economics

CHARLOTTE MULLER, Lecturer in Economics

1-2 — INTRODUCTORY ECONOMICS. *Winter session:* A description and analysis of present-day economic life with emphasis on certain basic features: consumption, the pricing of goods and services, production, corporate organization and the security markets, industrial combinations and the concentration of economic power, the monetary and banking system, business cycles and the problem of economic stabilization. *Spring session:* Description and analysis of outstanding economic problems: railroads and public utilities, agriculture, foreign trade and foreign exchange, the distribution of income with special emphasis on the wages paid to labor and related problems, labor legislation, labor organization, government expenditures and revenues, proposed economic planning in relation to capitalism, coöperation, communism, fascism, socialism.

Required for majors and prerequisite for other courses as indicated (except that, by individual arrangement with the department, this requirement for all excepting freshmen may be met by the passing of a special examination). *Di-*

¹ Absent on war service.

visible for freshmen only. M., W. and F. at 10 (I), at 2 (II); Tu. and Th. at 11 and Th. at 1 (III); also, for freshmen only, M., W. and F. at 9 (IV). Each section is limited to 30 students. 6 points.

PROFESSOR BAKER, DRS. ELIOT and MARSH and MRS. MULLER.

4 — ECONOMIC PROBLEMS OF THE CONSUMER. The consumer's rôle in war-time. Economics of rationing, price-fixing, consumer credit, "fair price" laws, etc. Protection of the consumer by the government, by consumer organizations. The coöperative movement. Possible post-war changes. Field trips to testing laboratories, housing projects, coöperative centers, etc. Students will work on special topics selected with consideration of their interests and their previous experience and training.

Tu. and Th. at 2. 3 points.

DR. ELIOT.

13, 14 — DEVELOPMENT OF CAPITALIST INSTITUTIONS. A survey of the development of our present economic society, with special emphasis on western Europe and on the United States. *Winter session:* The genesis of capitalist forms in ancient and medieval Europe. Technological and economic changes in the eighteenth and nineteenth centuries. The development of those financial institutions, forms of business enterprise, and technics of private and governmental control characteristic of capitalism in twentieth-century Europe. *Spring session:* The development of the American economy from colonial times. Early American mercantile capitalism. Industrial and finance capitalism in the nineteenth and twentieth centuries. Structural changes in the economy: types of production, employment and industrial organization. The impact of two World Wars on the American Economy.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged. 6 points.

MRS. MULLER.

15, 16 — PROBLEMS AND POSSIBILITIES OF ECONOMIC PLANNING. Some of the theoretical and practical problems of a governmentally planned economy. Emphasis is placed upon that form of "minimum planning" now widely urged to maintain full employment after the war. *Winter session:* "Fiscal Policy and Economic Planning": The expenditure and revenue of government in peace and war. The relation of public finance to non-fiscal ends such as maintaining full employment and securing the optimum use of economic resources. *Spring session:* "International Aspects of National Planning": The international repercussions of national efforts to secure full employment and the optimum allocation of resources. Related problems of international investment and business cycles. The dilemma of national economic autonomy and international order as it applies to the collection and payment of international debts (indemnities, reparations, lend-lease obligations), foreign exchange policy, restrictions on imports and exports.

Prerequisite, Course 1-2 or the equivalent. Tu. and Th. at 9 and a third hour to be arranged. 6 points.

DR. MARSH.

17, 18 — INTRODUCTION TO STATISTICAL ANALYSIS. *Winter session:* The gathering of statistical data; tabulation; graphic presentation; simpler methods

of summarization and comparison. The normal curve, sampling and unreliability. Statistical fallacies. Illustrations from various sciences. Possibilities and limitations of the statistical method. *Spring session*: Index numbers; analysis of time-series; correlation; analysis of variance.

Open to all excepting freshmen. Course 17 or the equivalent is prerequisite for Course 18. (Course 18 counts in Group II unless taken as part of a major in economics or sociology in which case it may count toward that major, and the 14-point requirement in Group II must be satisfied in other subjects.) Tu. and Th. at 10 and a laboratory hour to be arranged. 6 points.

DR. ELIOT.

19 — LABOR ECONOMICS AND LABOR PROBLEMS. An introduction to the analysis of the problems of American labor in a changing capitalistic system and in a period of world war: unemployment, wages and their determination, hours, sub-standard workers, migratory labor, the struggle for economic security, labor organization and the ideal of "democracy in industry," scientific management and modern personnel administration.

The work of the fourth point will cover some special phase of this subject. Prerequisite, Course 1-2 or the equivalent. This course is recommended for students interested in personnel work. Given in alternate years. M., W. and F. at 10. 3 or 4 points.

PROFESSOR BAKER.

20 — LABOR UNIONISM AND LABOR RELATIONS. Analysis of the historical attempts of organized labor to improve the social and economic status of the working people. What labor is fighting for in World War II and its plans for full employment and security after the war. The struggle between the A.F.L. and the C.I.O., attitudes and policies of management, U. S. Supreme Court decisions, the work of the U. S. Conciliation Service, the National and State Labor Relations Boards, the Railroad Labor Board, the National War Labor Board. The comparative status of British, Swedish and Russian labor.

The work of the fourth point will cover some special phase of the subject. Prerequisite, Course 1-2 and preferably also Course 19. This course is recommended for students interested in personnel work. Given in alternate years. M., W. and F. at 10. 3 or 4 points.

PROFESSOR BAKER.

[21 — CORPORATION FINANCE AND INVESTMENT. An introduction to the development and present nature of financial and business organization including the decline of competition, with respect to the economy as a whole, the investor, the worker and the consumer. The nature and function of corporate securities in capital formation, promotion, capitalization. The meaning and uses of financial statements. The principles and practices of investment are studied in connection with a class project which includes following the financial sections of the newspapers and observing the attempt of the Securities and Exchange Commission to protect investors.

The work of the fourth point will cover some special phase of this subject. Prerequisite, Course 1-2. Given in alternate years. 3 or 4 points. Not given in 1944-45.]

PROFESSOR BAKER.

[22 — BUSINESS ENTERPRISE AND PERSONNEL ADMINISTRATION. The business organization as a going concern dealing with its problems of marketing, production, personnel and finance with special reference to wartime problems and post-war readjustment. The rôle of the government in the regulation of business enterprise on behalf of stockholders and bondholders, workers and consumers.

The work of the fourth point will cover some special phase of this subject. Prerequisite, Course 1-2 and preferably also Course 21. This course is recommended for students interested in personnel work. Given in alternate years. 3 or 4 points. Not given in 1944-45.]

PROFESSOR BAKER.

23 — FINANCIAL INSTITUTIONS: ORGANIZATION AND FUNCTIONS. A description of the organization and functions of commercial banks, savings banks, investment banking firms, consumer credit agencies, and other private and public financial institutions with attention to the supervision of these agencies by various government bodies, in particular to the structure and operation of the Federal Reserve System. Particular emphasis will be placed on the credit and fiscal problems raised by the war program.

Prerequisite, Course 1-2. Given in alternate years. M., W. and F. at 2. 3 points.

MRS. MULLER.

24 — MONEY, PRICES AND ECONOMIC STABILITY. The nature of money and the relations between money, prices and general business conditions; the business cycle and inflationary and deflationary processes; the technics of economic control exercised through money devices. Special attention will be given to the relation of monetary processes to price changes during a war and post-war period.

Prerequisite, Course 1-2. Given in alternate years. M., W. and F. at 2. 3 points.

MRS. MULLER.

27 — ECONOMIC ANALYSIS AND ECONOMIC PROBLEMS. The structure of neo-classical economic theory as a set of devices for analyzing economic problems. A detailed study of problems concerning the nature of the price system, factors affecting the profitability of business enterprises, and the distribution of the national income.

Prerequisite, Course 1-2. M., W. and F. at 11. 3 points.

DR. MARSH.

28 — COMPARATIVE ECONOMIC THEORY. The development of economic thought since 1776. Special attention will be paid to heretics such as Malthus, Marx, George, Veblen, Hobson, Commons, Mitchell, Keynes, *et al.* An attempt will be made to describe the impact of each upon the conventional economic thought of his time, as well as to compare his theory with the latest refinements of neo-classical economics. Readings will be assigned in the authors' original works and in commentaries on these works. Standard histories of economic thought will be used for reference purposes.

Prerequisite, Course 1-2 and preferably also Course 27. Given in alternate years. M., W. and F. at 11. 3 points.

DR. MARSH.

29 — STATISTICAL RESEARCH. Special problems in social science selected with reference to the interest of the individual student. The emphasis is on the application of methods in actual statistical investigation, in the field when practicable, rather than on acquisition of further theory or technic. Such experience can lead to work in governmental, personnel, or social work statistics, etc.

Prerequisite, Course 17 and the written permission of the instructor. Hours to be arranged. 3 points.

DR. ELIOT.

30 — ECONOMICS OF WAR. This course will deal primarily with the economic problems of the war period but also with the issues growing out of post-war domestic and international economic adjustments. Readings and discussions will cover such problems as industrial mobilization for war production, war financing, price controls, rationing, etc.

Prerequisite, Course 1-2 and preferably also Course 27. M., W. and F. at 11. 3 points.

[41, 42 — READINGS IN ECONOMICS. An introduction to a broad range of current literature bearing mainly on economic but necessarily also on social and political issues. Readings will relate to the main problems raised by transition from a war to a peace economy. So far as possible the subject matter will be selected to meet the special interests of the students.

Open to juniors and seniors who have had Course 1-2. Given in alternate years. 6 points. Not given in 1944-45.]

PROFESSOR SAULNIER.

51, 52 — SEMINAR: Problems in the concentration of economic power. The decline of competition, the rise of "management" and of "finance" control, attempts to develop a "workable competition" as we pass from war to peace. Following study and group discussion of the general nature and significance of these problems in the American economy, students will write papers on special phases of this subject, such as corporate or business management, production control, market analysis, industrial relations and personnel management, government supervision of business enterprise.

Open only on written permission of the instructor. W., 4-6 or hours to be arranged. 6 points.

PROFESSOR BAKER.

Graduate Courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

**Economics 101-102 — Public Finance. PROFESSOR HAIG. 6 points.*

**Economics 161 — The Regulation of Public Utilities. PROFESSOR BONBRIGHT. 3 points.*

**Statistics 201-202 — Economic Statistics. PROFESSOR MILLS. 6 points.*

Columbia College Courses

The following courses are recommended as suitable for qualified Barnard students:

**Statistics 1A* — Graphic Presentation. PROFESSOR CROXTON. 3 points.

**Statistics 2A* — Statistics 1A repeated in the Spring Session.

**Statistics 3-4* — Statistical Methods and Their Applications. PROFESSOR CROXTON. 6 points.

SOCIOLOGY

WILLARD WALLER, Ph.D., Associate Professor of Sociology, *Executive officer*
MIRRA KOMAROVSKY, Ph.D., Instructor in Sociology
CORA KASIUS, Lecturer in Sociology

1-2 — INTRODUCTION TO SOCIOLOGY. The elements of the social structure; customs, institutions and associations; group interests and group formations; social classes, the family, politics as conflict and compromise; analysis of social problems such as crime, race relations, problems of individual disorganization; problems of war and post-war reconstruction. Full-year course.

Open to all excepting freshmen. M. and W. at 11 and sections at one of the following hours: F. at 10 or 11. 6 points.

PROFESSOR WALLER and DR. KOMAROVSKY.

[11 — SOCIAL PSYCHOLOGY OF LEADERSHIP. The nature of leadership. Leadership in communities, primary groups, conflict groups and associations. Leadership and social movements. Leadership in institutions of segregative care; the nature of highly organized relationships. Prestige and social distance. Ritual and leadership. Leadership in the subordinated or inmate group.

3 points. Not given in 1944-45.]

PROFESSOR WALLER.

12 — THE SOCIOLOGY OF WAR. The impact of war upon social institutions. Social disorganization and war. Propaganda and public opinion in war. Problem of morale in a nation at war. Social organization and morale.

Open to juniors and seniors. Prerequisite, Course 1-2 or the written permission of the instructor. M., W. and F. at 2. 3 points.

PROFESSOR WALLER.

15 — CRIMINOLOGY. Crime as a social problem. Crime in relation to economic and social structure. Classes of crimes in relation to social policy. Crime and social change. Causation of crime. Penology; the rôle of courts, jails, and prisons in the treatment of criminals. Probation and parole. Juvenile delinquency and specialized methods of dealing with juvenile offenders. The impact of war upon the problem of crime.

Open to juniors and seniors. Prerequisite, Course 1-2 or the written permission of the instructor. M., W. and F. at 2. 3 points.

PROFESSOR WALLER.

21, 22 — AN INTRODUCTION TO THE FIELD OF SOCIAL WORK. A description of types of social work found in present-day practice and an interpreta-

tion of main underlying principles; social work organizations and the various methods employed in meeting social problems.

Open to juniors and seniors. Course 21 is prerequisite for Course 22. Th., 1-3 and a third hour to be arranged. 6 points.

MISS KASIUS.

31, 32 — THE FAMILY. The family in primitive and historic society; the Industrial Revolution and the evolution of the modern family; changes in family functions, in the rôle of women, the growing instability and other trends of change in the modern family; social interaction in the contemporary family; courtship; problems of marriage adjustment; the child in the family; family disorganization; current research; war and the family; probable direction of future change.

Prerequisite, Course 1-2 or Psychology 1 or 2R. Course 31 is prerequisite for Course 32. Tu., 2-4. 4 or 6 points. The work of the third point usually consists of a joint research project covering some phase of the subject.

DR. KOMAROVSKY.

[41, 42 — SOCIO-ECONOMIC TRENDS AND PROBLEMS. The interrelations of changing economic and social organization and social habits as affected by scientific discoveries and inventions. Among the subjects to be discussed are population trends and problems, shifts in social and economic stratification, urbanization and the problems of the community in wartime.

Prerequisite, Course 1-2 or Economics 1-2. Course 41 is prerequisite for Course 42 except by written permission of the instructor. This course may count toward a major in economics. 4 points. Not given in 1944-45.]

DR. KOMAROVSKY.

97, 98 — SOCIOLOGY SEMINAR.

Open only to seniors on written permission of the instructors. Hours and subject to be arranged. 4 or 6 points.

PROFESSOR WALLER and DR. KOMAROVSKY.

PSYCHOLOGY 37 — SOCIAL PSYCHOLOGY. How the developing individual becomes socialized; effect of social factors upon habits, motives, attitudes and personality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology and anthropology is surveyed and evaluated.

Credit in either sociology or psychology. Prerequisite, Course 1 or 2R or Sociology 1-2. M., W. and F. at 9. 3 or, with additional conference hour to be arranged, 4 points in Group III.

PROFESSOR WALLER and DR. SARGENT.

Graduate Courses

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

**Government* 171, 172 — Modern Ideas of the State. PROFESSOR MACIVER.
6 points.

**Sociology* 104 — Contemporary American Sociology. PROFESSOR WALLER.
3 points.

EDUCATION

Courses in education will not satisfy the 14-point requirement in any group.

Note. Barnard College students will not be allowed to take, in any one year, more than six points in the education courses listed below.

†51ES, 52ES — EDUCATION SEMINAR FOR JUNIORS. An introduction for liberal arts students to the problems of education as a profession, aiming to give prospective teachers an understanding of important elements in good teaching, namely, the major fields of organized knowledge, various educational points of view and their historical development in America, the important characteristics of children and adolescents as they grow and develop, and the wider culture as it affects education. As the year progresses, increasing attention will be given to observations of child development and school situations.

M. at 2 and W.; 2-4. 6 points.

PROFESSOR RAUP, —————, DR. LINDEN and special lecturers.

†53ES, 54ES — EDUCATION SEMINAR FOR SENIORS. A continuation of the professional orientation started in the preceding course, with special attention to: the psychological bases of the learning process; the psychology of learning as applied to various subjects; the technics and materials of good instruction; curriculum trends; organizational problems and community relationships affecting secondary school teachers. During the year students will have increasing opportunities to gain, at first hand, an understanding of the problems of teaching through demonstrations, observation and participation in classroom situations.

Prerequisite, Course 51ES, 52ES or the equivalent. Tu. at 2 and Th., 2-4. 6 points.

PROFESSORS WOODRING and MURSELL, DR. LINDEN and special lecturers to be announced.

Other courses offered at Teachers College are open under certain conditions to specially qualified seniors with the consent of the Committee on Instruction of Barnard College and the instructor in Teachers College. These courses include methods of teaching elementary and high-school subjects, including observation and participation. For further information the students should consult the Associate Dean of Barnard College.

ENGLISH

WILLIAM HALLER, Ph.D., Professor of English

MINOR W. LATHAM, Ph.D., Professor of English, *Executive officer*

JAMES J. CLIFFORD, Ph.D., Visiting Associate Professor of English

²W. CABELL GREET, Ph.D., Associate Professor of English

CLARE M. HOWARD, Ph.D., Associate Professor of English

ETHEL STURTEVANT, A.M., Assistant Professor of English

¹ELIZABETH REYNARD, B.Litt. (Oxon.), Assistant Professor of English

MARY MORRIS SEALS, Associate in English

² On leave Spring Session

- LORNA F. MCGUIRE, Ph.D., Associate in English
 ANNIS SANDVOS, A.M., Instructor in English
¹GEORGIANA C. REMER, B.A. Hons. (Oxon.), Instructor in English
¹DAVID A. ROBERTSON, JR., Ph.D., Instructor in English
 MARJORIE D. COOGAN, Ph.D., Instructor in English
 SARA DE FORD, Ph.D., Instructor in English
 JEAN FAIR MITCHELL, M.A. Hons. (Edinburgh), Instructor in English
 JOSÉ RUBEN, Bac. Lettres-Philosophie, Lecturer in English
 MARCIA FREEMAN, A.B., Lecturer in English

A major in English. — Students majoring in English will be required to take in English — A or B or C as follows:

- A. *Language and Literature* — A major examination in three parts: (I) History of the English Language, including a reading knowledge of Anglo-Saxon or Middle English, and English Medieval Literature; (II) English Literature before 1700 with special reference to Shakespeare and Milton; (III) English and American Literature since 1700.
 B. *Writing* — One part of the major examination described above and eighteen points in composition passed with an average of B; in addition, special knowledge of a particular field. Each student in consultation with her adviser should choose the field in which she expects to be examined. The field must not be too narrowly defined. The candidate must be able to write an essay in correct and effective English on an assigned topic of considerable scope.
 C. *Speech* — Part II or Part III of the major examination specified above with special emphasis on Drama, Part IV, an examination in the History of the Language, including translation of Old or Middle English, and in phonetics and the mechanics of voice, and twenty-seven points of work in Speech passed with an average of B.

The major examinations must be passed with a grade of at least C.

Other fields — Related courses in other departments. A reading knowledge of at least two foreign languages, one of which should be modern.

See also *American Studies*, page 58, *Medieval Studies*, page 60, *Renaissance Studies*, page 61, and *Comparative Literature*, page 69.

WRITING

A — EXPERIMENTS IN WRITING. Practice in composition and discussion, reading of literature, contemporary and classical, with conferences to meet the need of the individual student. Designed to build up the power of expression and ability in the accurate and skillful presentation of ideas. Full-year course.

Prescribed for freshmen and prerequisite for any other course except Course 21-22 which is recommended to be taken parallel to Course A. Students not thoroughly accustomed to the use of English should consult DR. DE FORD before registering for Course A. M., W. and F. at 10 (Ia, b, c), at 1 (IIa, b), at 2 (IIIa, b, c); Tu., Th. and S. at 10 (IVa), at 11 (Va, b). 6 points.

PROFESSORS GREET, HOWARD and STURTEVANT, DRS. MCGUIRE, DE FORD and COOGAN and MISSES MITCHELL and —————.

¹ Absent on war service.

ADVANCED WRITING

Prerequisite, Course A. Students electing any course in composition must secure the written permission of the instructor in charge.

1, 2 — EXPOSITION FOR GOVERNMENT AND OTHER NATIONAL SERVICE. A course designed for students who need and desire additional training in assembling and expounding facts. Special emphasis on the preparation and presentation of expository articles, professional reports and critical analyses. Training in summarizing and condensing material from organizations, committees, or technical experts. Précis-writing, briefs and forensics.

M., W. and F. at 11. 6 points.

DR. COOGAN.

3, 4 — CREATIVE WRITING. Daily themes, descriptive and narrative, for students who are planning to major in English composition. Experiments in verse writing. Study of the technic of the short story and the novel, and of modern poetry.

Tu. and Th. at 10 and a third hour to be arranged. 6 points.

PROFESSOR HOWARD.

11, 12 — STORY WRITING. This course is in effect rather a writers' group than a course. It is aimed to provide for interested and gifted students an opportunity to practice the art of writing and to profit by the criticism of an audience trained and similarly minded. It is clinical in its method, and the subject matter is adjusted to the capacities and requirements of the individuals within the group. While emphasis is usually upon the philosophy and technic of fiction, other forms of current professional writing are considered whenever students so desire.

Courses recommended as parallel: English 69, 70; Philosophy 45, 46. Tu., 4-5:50 and a third hour to be arranged. 6 points.

PROFESSOR STURTEVANT.

15, 16 — PLAY WRITING. The primary intention is not to train playwrights, but to give insight into drama as a mode of expression. Critical study of plays in text and in production on the New York stage. Improvization, dramatization, writing of original sketches, pantomimes and plays. Stage trial of all work by members of the class.

M. at 3 and W., 3-5. 4 or 8 points.

PROFESSOR LATHAM.

81 — DRAMATIC WORKSHOP. Problems of dramatic interpretation and production.

Open to qualified students of all classes. The enrollment will be limited to 40. Th., 3-5, in Brinckerhoff Theatre. 1 point if taken parallel to English 15, 23, 57, 59, 61, French 27 or Spanish 17.

MR. RUBEN and MISS FREEMAN.

SPEECH

Courses 39, 21-22, 23-24, 25-26, 27, 28, 15, 16 (4 points) are required for English majors specializing in Speech. Courses 57, 58 and 59, 60 are recommended.

D1-D2 — SPEECH. This required course gives the student an opportunity to discover the importance of effective speech and voice production. Each student will examine a recording of her own voice and confer concerning her individual needs and the means of effecting improvement. Full-year course.

Prescribed for all new students. Two lectures at the beginning of the winter session and two conferences (including recordings), one each session. No points credit.

PROFESSOR GREET, MRS. SEALS and MISS SANDVOS.

21-22 — VOICE AND DICTION. A basic course in the fundamentals of speech and voice production designed to aid each student in acquiring clear speech, a pleasing voice, reasonable self-assurance, and the ability to make herself understood at all times. *Winter session:* Voice exercises, phonograph and dictaphone recordings, phonetic drills. *Spring session:* Principles of reading aloud, with special reference to phrasing and inflection. Full-year course.

Open to all students. M., W. and F. at 11 (I), at 1 (II). 4 points.

MRS. SEALS and MISS SANDVOS.

23-24 — ORAL INTERPRETATION OF LITERATURE. The study and oral presentation of different types of English literature. *Winter session:* Ballads, lyrics, dramatic verse and prose. *Spring session:* Practical experience in story telling, in choral reading, and in radio work. Full-year course.

Prerequisite, Course 21-22. Tu. at 2 and Th., 2-4. 4 points.

MRS. SEALS.

25-26 — SPEECH CORRECTION. The study of specific speech problems resulting from psychological and physiological causes. Practical experience will be afforded in clinical work. Full-year course.

Open to juniors and seniors on written permission of the instructor. Tu. and Th. at 9 and a laboratory hour to be arranged. 6 points.

MRS. SEALS, DR. ALSOP, PROFESSORS GREGORY and LOWTHER.

27, 28 — PUBLIC SPEAKING. Constant practical experience in problems of argumentation, debate and discussion. Delivery of prepared and extemporaneous speeches. Analysis of important speeches. Parliamentary procedure.

Open to sophomores, juniors and seniors. M., W. and F. at 2. 6 points.

DR. DE FORD.

39 — HISTORY OF THE ENGLISH LANGUAGE.

3 points. See page 82.

PROFESSOR GREET.

15, 16 — PLAY WRITING.

4 or 8 points. See page 80.

PROFESSOR LATHAM.

81 — DRAMATIC WORKSHOP.

1 point. See page 80.

MR. RUBEN and MISS FREEMAN.

WIGS AND CUES, the college dramatic club, offers the students in speech practical training and experience in speech, acting and directing.

The local radio station CURC offers to those students interested in radio announcing and acting opportunity for experience in these special fields.

LITERATURE

39 — HISTORY OF THE ENGLISH LANGUAGE. The genesis of American English. The history of words, pronunciation and structure. The class will read important documents in Anglo-Saxon and Middle English, and study our present-day language in the light of the great traditions and of linguistic science.

Not open to freshmen. M., W. and F. at 11. 3 points.

PROFESSOR GREET.

[45-46 — ANGLO-SAXON, INCLUDING THE *Beowulf*. A linguistic and literary study of Anglo-Saxon. *Winter session*: Source materials of early English history; the battle poems of Brunanburh and Malden; Old English lyrics. *Spring session*: *Beowulf*. Full-year course.

4 or 6 points. Not given in 1944-45.]

PROFESSOR GREET.

[49, 50 — MEDIEVAL FICTION. Comparative study in translation of the masterpieces of western Europe from the beginnings through the thirteenth century. *Winter session*: The literature of Iceland, Irish medieval literature, English literature of the Anglo-Saxon period, the *Nibelungenlied*, the *Song of Roland*. *Spring session*: The romances of King Arthur; Tristan; the Grail; *The Romance of the Rose*; the short tale in verse and prose; the lives of the saints; the cycle of Reynard the Fox.

Recommended as preceding or parallel courses: English 53-54; Fine Arts 51, 52; French 7; German 51; History 17, 18; Philosophy 145-146. 4 or 6 points. Not given in 1944-45.]

PROFESSOR STURTEVANT.

53, 54 — CHAUCER AND HIS TIMES. The language and the literature of England in the later Middle Ages and early Renaissance. *Winter session*: Chaucer's *Canterbury Tales* and *Troilus and Criseyde*. *Spring session*: *Pearl*, *Piers the Plowman* and other poems of the fourteenth and fifteenth centuries.

Course 53 is prerequisite for Course 54. M., W. and F. at 9. 6 points.

PROFESSOR GREET (Winter session) and DR. DE FORD (Spring session).

[57, 58 — SHAKESPEARE'S PREDECESSORS AND CONTEMPORARIES. The development of English drama. Miracle plays, moralities, interludes, Early English comedy, Senecan tragedies, Chronicle history plays, Marlowe, Shakespeare, Ben Jonson and Beaumont and Fletcher.

6 points. Not given in 1944-45.]

PROFESSOR LATHAM.

59, 60 — MODERN ENGLISH DRAMA. A study of the stage and the drama from the eighteenth century to the present. Ballad Operas; Bourgeois Tragedy and its influence on the Continental drama; Sentimental Comedy; the Patent Theatres and the Actor Managers. Nineteenth-century dramas; Ibsen; W. B. Yeats and the Irish school of playwrights; contemporary English and American playwrights.

Course 59 is prerequisite for Course 60. 6 points. M., W. and F. at 10.

PROFESSOR LATHAM.

61-62 — SHAKESPEARE. All the plays and the poems are read, though only the more important in class, as an introduction to the meaning, scope and greatness of the poet as expressed in structure, language, style and versification.

M., W. and F. at 1. 6 points.

PROFESSOR LATHAM.

[63, 64 — ENGLISH LITERATURE OF THE RENAISSANCE. Sir Thomas More and the English Humanists; Court Poets of Henry VIII; the University Wits; Elizabethan Prose.

6 points. Not given in 1944-45.]

PROFESSOR HOWARD.

65, 66 — ENGLISH POETRY FROM SPENSER TO MILTON. The chief English poets, their themes, forms, and theories concerning poetry. *Winter session*: Spenser, the Elizabethan lyrists, Donne and the metaphysical poets. *Spring session*: Milton, with supplementary readings in the Bible and Dante's *Divine Comedy* in English.

M., W. and F. at 2. 6 points.

PROFESSOR HALLER.

67, 68 — ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY. The principal authors from Dryden to the end of the eighteenth century, studied in relation to the thought of the period; analysis of the changing patterns in critical and esthetic theory and practice; interrelationship between literature and other arts.

Tu. and Th. at 11 and a third hour to be arranged. 6 points.

PROFESSOR CLIFFORD.

69, 70 — THE NOVEL. The novel as an art form in process of development and as a document of social change. *Winter session*: A comparative study of the contemporary novel in England, the United States and the continent of Europe. *Spring session*: The novel in English in the eighteenth and nineteenth centuries, with some consideration of contemporaneous Russian masterpieces.

6 points. Tu. and Th. at 10 and a third hour to be arranged.

PROFESSOR STURTEVANT.

71, 72 — ENGLISH LITERATURE FROM BLAKE TO BYRON. The poetry and poetic theories of Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. The prose of Scott, Lamb, Hazlitt and De Quincey.

Tu. at 2 and Th., 2-4. 6 points.

PROFESSOR CLIFFORD.

73, 74 — ENGLISH LITERATURE FROM CARLYLE TO PATER. Ruskin, Arnold and critics of the Industrial Revolution; Tennyson, Browning, and the advance of science; the Pre-Raphaelites; Art for Art's Sake; Swinburne and French influence upon the *fin du siècle*.

M. and W. at 11 (4 points); and an additional hour for discussion, F. at 11 (6 points). 4 or 6 points.

PROFESSOR HOWARD.

77, 78 — AMERICAN LITERATURE. A study of American literary and cultural development from the colonial period to the present with special emphasis on certain great figures: Emerson, Hawthorne, Melville, Whitman, Dickinson, Poe. Also material on inter-American literary parallels.

M., W. and F. at 10. 6 points.

DR. COOGAN.

91, 92 — SPECIAL READING. Under the immediate guidance of the instructor the student will choose and discuss with a small group reading of her own choice, with a view to enriching her knowledge of English literature.

Recommended for major students especially in the junior year; not open to other students; may be taken two years in succession. Registration in each section is limited. Students who elect this course in their junior year and change their major later will receive only half credit. Tu., 3-5 (I), W., 3-5 (II), Th., 2-4 (III). 4 points.

DR. MCGUIRE and ——— and MISS MITCHELL.

[COMPARATIVE LITERATURE 9, 10 — Medieval and Renaissance culture, as exemplified by literary documents, Italian and Latin.

Recommended for English majors. 6 points. Not given in 1944-45.]

PROFESSORS BIGONGIARI and PREZZOLINI.

HISTORY 11, 12 — THE HISTORY OF ENGLAND. The development of English institutions, characteristics and ways of living with particular reference to language and literature; the relation of English to American civilization. *Winter session:* The Norman Conquest to the Restoration; medieval beginnings, Tudor nationalism, the Puritan Revolution. *Spring session:* The Restoration to 1914; the ruling class and the empire, the American, French and Industrial Revolutions, the Victorian age.

Open to all excepting freshmen. Tu. and Th. at 2 and a conference hour to be arranged. Recommended for English majors. 4 or 6 points.

PROFESSOR HALLER.

FINE ARTS AND ARCHAEOLOGY

MARGARETE BIEBER, Ph.D., Associate Professor of Fine Arts and Archaeology

MARION LAWRENCE, Ph.D., Assistant Professor of Fine Arts, *Executive officer*

JULIUS HELD, Ph.D., Assistant Professor of Fine Arts

MARIANNA BYRAM, A.M., Instructor in Fine Arts

JANE GASTON MAHLER, A.M., Lecturer in Fine Arts

A major in fine arts. — Students majoring in fine arts will be required to take:

Fine arts — Courses 41, 51, 52, 62, 65, 66, 75, 76 and other courses to be arranged in consultation with the department.

Other fields — A reading knowledge of French, German or Italian. Students planning to do graduate work must have German and one other modern language. Courses in history, literature, languages, philosophy or other fields which will vary with the special interest of the student and must be arranged in consultation with the major department.

See also *Medieval Studies* and *Renaissance Studies*, pages 60 and 61.

FINE ARTS

1-2 — INTRODUCTION TO THE STUDY OF FINE ARTS. A general study of esthetic problems as preparation for a more detailed study of the fine arts. This will include a discussion of the major problems of artistic expression and their solution in the fields of architecture, sculpture and painting followed by a consideration of the relation of art forms to certain great periods of European culture. Full-year course.

Intended primarily for freshmen and sophomores but open to new transfers and to juniors and seniors on written permission of the department. Tu. and Th. at 10. 4 points.

MRS. MAHLER.

41 — ANCIENT ART. An introductory study of the art of Egypt, Mesopotamia, Persia, Greece and Rome.

Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. M., W. and F. at 10. Conferences and visits to the Metropolitan Museum of Art, F. at 10 or at hours to be arranged. 3 points.

PROFESSOR LAWRENCE.

[46 — ROMAN ART. Introduction to the origin and development of Roman art, covering in some detail architecture and Pompeian wall-painting with special emphasis on sculpture, historical relief and portraiture.

Open to all excepting freshmen. History 5, 6 is recommended as a parallel course. 3 points. Not given in 1944-45.]

PROFESSOR BIEBER.

51, 52 — MEDIEVAL ART. An introductory study of the origin and development of Christian art in Europe through the early Christian, Byzantine, Carolingian, Romanesque and Gothic periods.

Open to juniors and seniors. History 17, 18 is recommended as a parallel course. Course 51 is prerequisite for Course 52. Tu. and Th. at 2 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 6 points.

PROFESSOR LAWRENCE.

62 — ITALIAN RENAISSANCE SCULPTURE. The historical development of Italian sculpture from the late medieval period through Bernini. Special attention will be given to the genius of the Renaissance as expressed in the work of Donatello and Michelangelo.

Open to juniors and seniors and to sophomores who have had Course 65. Tu. and Th. at 10 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points.

PROFESSOR LAWRENCE.

65 — ITALIAN RENAISSANCE PAINTING. The stylistic and iconographic development of Italian painting from the thirteenth to the middle of the sixteenth century with detailed study of Giotto, Masaccio, Leonardo, Raphael and Michelangelo.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points.

PROFESSOR HELD.

66 — RENAISSANCE PAINTING IN NORTHERN EUROPE. The history and development of painting in the Flemish, Dutch, French and German schools from the end of the Gothic period through the sixteenth century.

Open to all excepting freshmen. Tu. and Th. at 11 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 3 points.

PROFESSOR HELD.

67 — PRINTS AND DRAWINGS. The history and technic of the graphic arts and drawing as illustrated in the work of the principal artists from the beginning of the fifteenth century to modern times.

Open to qualified students on written permission of the department. M., W. and F. at 10 (I), at 11 (II) in 511 Schermerhorn; also F. at 3:30 at the Metropolitan Museum of Art. 4 points.

MISS BYRAM.

75, 76 — EUROPEAN PAINTING SINCE THE RENAISSANCE. The development of painting in Europe from the sixteenth century to the present with emphasis on those trends which are most significant in the evolution of modern painting. Architecture and sculpture will be introduced to the extent to which a knowledge of these fields contributes toward the understanding of painting.

Open to all excepting freshmen. Course 75 is prerequisite for Course 76. M. and W. at 2 and a third hour to be arranged for conference or for visits to the Metropolitan Museum of Art. 6 points.

PROFESSOR HELD.

90 — A GENERAL HISTORY OF ORIENTAL ART. An introductory study of the arts of Persia, India, China, Japan and Central Asia, with particular emphasis on political history, philosophy and religion as they affect the arts, and an investigation of the contact between the west and the east.

Open to all excepting freshmen. M., W. and F. at 10. Conferences and visits to the Metropolitan Museum of Art, F. at 10 or at hours to be arranged. 3 points.

MRS. MAHLER.

[97-98 — SEMINAR FOR MAJORS. Special work planned in each case to supplement and coördinate the student's other courses in fine arts and to provide an opportunity for the study of basic principles as well as specific problems in a chosen field.

6 points. Not given in 1944-45.]

PROFESSOR LAWRENCE and other members of the department.

For courses on the art of primitive man, see Anthropology 108, page 64; Greek arts and crafts, see Archaeology 64, page 100; Greek and Roman theatre, see Archaeology 72, page 101; esthetics, see Philosophy 41-42, 45, 46, 145, pages 122, 123.

TECHNICAL COURSES

Studio courses can count toward the degree only if taken parallel to a theoretical or historical course in fine arts.

*DRAWING AND PAINTING UII-UI2 — DESIGN, DRAWING AND PAINTING. Ability in drawing, design and painting is developed under personal supervision

as a preparation for the study of fine arts or architecture, or for further experience in painting, sculpture or commercial art. Students are guided to observe, analyze and create, using various materials for expression, such as pencil, ink, pastel and water color. The course will include analytical discussions of elementary design, still-life drawing, life drawing, creative design and outdoor sketching. Full-year course.

Course 111 is prerequisite for Course 112, except on written permission of the instructor. Special fee, \$25 each session. Tu. and Th., 2-4 (I), 4-6 (II). 324 University Hall. 4 points.

MR. MANGRAVITE.

Other studio courses given at Columbia University may be taken by written permission of the department. These are described in the Announcement of the Department of Fine Arts, Archaeology and Music.

*DRAFTING 109, 110 — ENGINEERING DRAFTING AND DESCRIPTIVE GEOMETRY. An elementary course providing thorough training in the principles and technic of mechanical drafting. It includes lettering, use of instruments, inking, pencil and ink tracing, orthographic projection, sectioning, pictorial drawing, elements of working drawings, dimensioning, fastenings, technical sketching, intersections and developments, and detail and assembly drawings. Full-year course.

Special fee, \$37.50 each session. M., W. and Th., 7-10 P.M. 614 and 618 Engineering. 6 points.

PROFESSOR LEE.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Fine Arts, Archaeology and Music. The following are specially recommended as suitable for Barnard seniors:

*Archaeology 100 — Introduction to Ancient Archaeology. PROFESSOR DINSMOOR. 3 points.

*Fine Arts 146 — Roman Art. PROFESSOR SWIFT. 3 points.

*Fine Arts 147 — Greek and Roman Portraiture. PROFESSOR BIEBER. 3 points.

*Fine Arts 148B — Culminating Period of Greek Sculpture. (c. 500-350 B.C.) PROFESSOR BIEBER. 3 points.

*Fine Arts 153 — Romanesque Architecture. PROFESSOR SCHAPIRO. 3 points.

*Fine Arts 156 — Romanesque Art in Italy. PROFESSOR LAWRENCE. 3 points.

*Fine Arts 161 — Architecture of the Renaissance. PROFESSOR SWIFT. 3 points.

*Fine Arts 163, 164 — Italian Renaissance Painting. PROFESSOR MEISS. 6 points.

*Fine Arts 169 — Seventeenth Century Painting in the Netherlands. PROFESSOR HELD. 3 points.

*Fine Arts 172 — Modern Architecture. PROFESSOR SWIFT. 3 points.

**Fine Arts* 176 — Modern Painting and Sculpture. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 188 — Islamic Art. PROFESSOR SCHAPIRO. 3 points.

**Fine Arts* 191, 192 — The Art of Asia (Middle and Far East). MRS. MAHLER. 6 points.

FRENCH

FRÉDÉRIC G. HOFFHERR, BèsL., Associate Professor of French, *Executive officer*

MARGUERITE MESPOULET, Agrégée de l'Université, Associate Professor of French

§ JEANNE V. VARNEY, D. d'Univ., Assistant Professor of French

ISABELLE DE WYZEWA, Ph.D., Lecturer in French

HELEN PHELPS BAILEY, A.M., Lecturer in French

ANDRÉ MESNARD, A.M., Lecturer in French

HELEN CARLSON, A.M., Lecturer in French

A major in French. — Unless they receive special permission from the department, students majoring in French will be required to take:

French — Courses 7, 8 (8 points), 11, 12, 15, 16 or 17, 18, at least two of the literature courses dealing with the most important periods of French Literary History (XVIIth, XVIIIth, XIXth, XXth centuries) and other courses to be arranged in consultation with the department. Only two courses in the intermediate group may be counted in the major. The introductory language courses, 1-2, 3, 4, 3R, cannot so count.

Other fields — Courses which will vary with the special interest of the student and should be arranged in consultation with the major department.

See also *Medieval Studies* and *Renaissance Studies*, pages 60 and 61.

INTRODUCTORY COURSES

1-2 — INTRODUCTORY FULL-YEAR COURSE. Grammar, reading, conversation.

M., W. and F. at 9. 6 points.

MR. MESNARD.

3, 4 — INTERMEDIATE COURSE. Review of grammar and syntax. Translation from and into English. Free composition.

Prerequisite, Course 1-2 or two years of high-school French. M., W. and F. at 2 (I); Tu., Th. and S. at 9 (II). 6 points.

MR. MESNARD.

3R — INTERMEDIATE COURSE. PART II. The equivalent of Course 4.

Prerequisite, Course 3 or three years of high-school French. M., W. and F. at 1 (I), at 2 (II). 3 points.

MRS. BAILEY.

§ Officer of Columbia University giving instruction in Barnard College.

INTERMEDIATE COURSES

5, 6 — CONVERSATION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. A study based on novels, plays, verse, etc., of the nineteenth and twentieth centuries. Discussion in French of texts read. Free composition and reports based on readings.

Prerequisite, Course 3, 4 or three years of high-school French. M., W. and F. at 9 (I), at 11 (II); Tu. Th. and S. at 11 (III). 6 points.

MRS. BAILEY, MR. MESNARD and MISS CARLSON.

6R — CONVERSATION AND COMPOSITION BASED ON READINGS IN FRENCH LITERATURE, WITH OCCASIONAL PRACTICE IN TRANSLATION. PART I. The equivalent of Course 5.

Prerequisite, Course 4 or 3R. M., W. and F. at 1. 3 points.

DR. DE WYZEWA.

5X, 6X — PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. Intended for students wishing to acquire ease and accuracy in reading historical, philosophical and scientific French, as well as literary prose and verse.

Prerequisite, Course 3, 4 or three years of high-school French. M., W. and F. at 9 (I), at 10 (II), at 11 (III), at 1 (IV). 6 points.

MRS. BAILEY.

6XR — PRACTICAL COURSE IN SIGHT READING AND PREPARED TRANSLATION. PART I. The equivalent of Course 5X.

Prerequisite, Course 4 or 3R. M., W. and F. at 1 (I), at 2 (II). 3 points.

MRS. BAILEY.

7, 8 — MASTERPIECES OF LITERATURE FROM THE MEDIEVAL PERIOD TO THE TWENTIETH CENTURY. Lectures in French on the history of French literature, recitations, free composition and reports on outside reading.

Prerequisite, a grade of at least B in Course 4 and the written permission of the department or a high rating in three years of high-school French. 4 points: Lecture only, Th. at 1 and outside reading consisting of the assignments given in the 8-point divisions. Open to properly qualified juniors and seniors. Cannot count toward the major.

Or 6 points: Class meetings only, M., W. and F. at 10 (III), with modified requirements in reading and composition. Students who may subsequently wish to count the 6 points toward a French major may do so by additional work equivalent to 2 extra points.

Or 8 points: Lecture, Th. at 1 and class meetings, M., W. and F. at 9 (I), at 10 (II). This course is required of students majoring in French and may be counted toward the major.

DR. DE WYZEWA and ———.

9, 10 — REVIEW OF GRAMMAR AND COMPOSITION. Intended primarily for those registered in literature courses who desire a rapid review of grammar and syntax.

Open to students of all classes on written permission of the instructor. Limited to 10 students. Tu. and Th. at 10. 4 or 6 points.

MR. MESNARD.

LANGUAGE COURSES ¹

11, 12 — PRACTICE AND THEORY OF FRENCH PHONETICS. Study of French articulation and intonation, general phenomena covering the spoken language, recitation and reading aloud. Phonograph records of the pronunciation of each student will be made from time to time for the purpose of correcting or testing individual progress.

Open to students only on written permission of the instructor. Limited to 20 students. M., W. and F. at 1. 6 points.

PROFESSOR VARNEY.

13, 14 — THE REGIONAL FRENCH NOVEL. A study of the life and art of several French provinces based on recent novels.

Open to juniors, seniors and qualified sophomores on written permission of the instructor. Limited to 15 students. 4 or 6 points. M., W. and F. at 9.

[15, 16 — ADVANCED COMPOSITION. Translation from and into French; written reports on outside reading; short themes; "explication de textes."

Specially intended for juniors majoring in French, who have the written permission of the instructor. Limited to 20 students. 6 points. Not given in 1944-45.]

17, 18 — ADVANCED TRANSLATION AND COMPOSITION. Texts will be chosen to illustrate various epochs and diversity of style and subject. Composition based on the translated texts with exercises on grammar and vocabulary.

Open only on written permission of the instructor. M. and W. at 9. 6 points.

PROFESSOR MESPOULET.

19-20 — ORAL FRENCH: RECITATION, DICTION, CONVERSATION. Full-year course.

Limited to a small group of selected students. Prerequisite, the written permission of the department. Hours to be arranged. 4 points.

MEMBERS OF THE DEPARTMENT AND VISITING LECTURERS.

LITERATURE COURSES ¹

Students are reminded that the ability to use French both in speaking and in writing is considered a general requirement for all literature courses.

Course 7, 8 is prerequisite for all literature courses.

21-22 — FRENCH LITERATURE IN THE SEVENTEENTH CENTURY. A study of the most significant works of the principal writers of the classical period from 1600 to 1715. Full-year course.

M., W. and F. at 10. 6 or 8 points.

PROFESSOR HOFFHERR.

23-24 — FRENCH LITERATURE IN THE NINETEENTH CENTURY; THE ROMANTIC PERIOD. A study of representative works of the poetry and prose of the romantic movement with notes on the arts of the period. Full-year course.

¹ All courses are conducted entirely in French.

Open to juniors and seniors on written permission of the instructor. M., W. and F. at 10. 6 or 8 points.

PROFESSOR MESPOULET.

[25, 26 — HISTORY OF THE FRENCH NOVEL. A study of the development of the novel in France from its origins to the end of the nineteenth century. 6 points. *Not given in 1944-45.*]

27, 28 — HISTORY OF THE FRENCH DRAMA. General survey of the development of the French drama from its origin to the present time; the most representative plays of the different periods.

M. and W. at 11. 4 or 6 points.

PROFESSOR HOFFHERR.

[31, 32 — THE RENAISSANCE IN FRANCE. Readings illustrative of humanism, neo-platonism and the "new learning" in science and the arts. A study of the international aspects of intellectual life during the Renaissance.

Open to juniors and seniors. 6 points. Not given in 1944-45.]

[33, 34 — HISTORY OF FRENCH CIVILIZATION. General survey of the development of French civilization from the Roman conquest to the Revolution; the political, artistic, literary and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Open to juniors, seniors and qualified sophomores and to freshmen on written permission of the instructor. 4 or 6 points. Not given in 1944-45.]

PROFESSOR HOFFHERR.

34a — HISTORY OF FRENCH CIVILIZATION FROM THE REVOLUTION TO MODERN TIMES. The political, artistic, literary and scientific activities of the French people in the formation of their national life and their contribution to human progress.

Prerequisite, Course 33, 34 or the equivalent. Tu. and Th. at 11. 2 points.

MR. MESNARD.

35, 36 — FRENCH LITERATURE IN THE EIGHTEENTH CENTURY. The chief essayists, novelists and dramatists of the period in their most significant works and letters.

Prerequisite, Course 21-22 or the written permission of the department. M., W. and F. at 1. 6 points.

DR. DE WYZEWA.

125-126 — CONTEMPORARY FRENCH LITERATURE. French lyrical poetry from the end of the *Parnasse* to the present day with analyses of significant epoch-making poems. Lectures and discussions on novels and essays of the same period. The program for the year 1944-45 will cover the period from 1895 to 1940. Full-year course.

Open to qualified seniors on written permission of the instructor. W. and F. at 11, and a conference for undergraduates, M. at 11. 6 or 8 points.

PROFESSOR MESPOULET.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures.

Qualified seniors may be authorized to take some of the courses offered by the École Libre des Hautes Études.

GEOLOGY AND GEOGRAPHY

FLORRIE HOLZWASSER, Ph.D., Assistant Professor of Geology

HENRY S. SHARP, Ph.D., Assistant Professor of Geology, *Executive officer*

§S. JAMES SHAND, Ph.D., Professor of Geology

A major in geology. — Students majoring in geology may count 6 points in geography toward the 28 points required in their major field. Advanced courses in geology and courses in related fields of science must be arranged in consultation with the major department and may vary somewhat in accordance with the interest and purpose of the student. Majors in geology are urged to take a well-balanced program in the humanities and to make every effort to take one or more field courses such as *Geology 14*, or *Geology 5179* — *Geology of the Rocky Mountains* — offered in Wyoming each summer by Columbia University.

A major in geography. — Students majoring in geography are required to take *Geography 1-2, 10*, and *Geology 1, 2, 3, 5, 27, 28*; other courses in such important related fields as anthropology, economics and history are to be selected after consultation with the major department and may vary somewhat in accordance with the interests and purpose of the student.

GEOGRAPHY

1-2 — ECONOMIC GEOGRAPHY. Consideration of man's geographic background — weather, climate, oceans and landforms; his adaptation to this background and his utilization of natural resources; study of maps and map projections. Intended to be of use to students of history, economics and sociology, and of earth sciences.

Tu. and Th. at 9 and Th. at 1. 6 points in Group II or III.

PROFESSOR HOLZWASSER.

[10 — METEOROLOGY. The fundamentals of modern meteorology: the atmosphere, its composition, height and properties; temperature, pressure, humidity and related weather elements; atmospheric circulation; climates of the earth. Special emphasis upon problems and regions of present importance.

3 points in Group II. Given in alternate years. Not given in 1944-45.]

PROFESSOR HOLZWASSER.

GEOLOGY

1 — PHYSICAL GEOLOGY. Courses 1 and 2 are planned to give students knowledge of the earth as the most important physical factor in their back-

§ Officer of Columbia University giving instruction in Barnard College.

ground. Course 1 covers the composition and structure of the earth, the internal and external forces acting upon it and the surface features resulting. The laboratory includes several field trips, study of common rocks and minerals, and intensive study of contour maps as means of depicting topography. Course 1 makes a good unit for students taking other sciences and wishing to gain some knowledge of the content of geology. Those wishing to become familiar with topographic maps are also advised to take this course.

With Course 2 it satisfies the laboratory science requirement in Group II. Lectures: Tu. and Th. at 11. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4. 4 points in Group II.

PROFESSOR SHARP and MISS CROSBY.

2 — HISTORICAL GEOLOGY. Important steps in the history of the earth and of the life upon it from the beginning to modern times are emphasized. The laboratory includes a Planetarium visit, study of invertebrate fossils and of geologic maps and structures, museum trips for the study of vertebrate fossils, short field trips, and, if conditions permit, a required two-day weekend trip.

Prerequisite, Course 1. Lectures: Tu. and Th. at 11. Laboratory (4 hours): M. and W., 2-4 or Tu. and Th., 9-11 or 2-4. 4 points.

PROFESSOR SHARP and MISS CROSBY.

[3 — THE GEOLOGIC AND GEOGRAPHIC DEVELOPMENT OF SOUTH AMERICA. A study of the position, climate, relief, geology, and natural resources of the continent and its constituent countries.

3 points. Not given in 1944-45.]

PROFESSOR HOLZWASSER.

5 — THE GEOLOGIC AND GEOGRAPHIC DEVELOPMENT OF EUROPE. A study of the position, climate, relief, geology, and natural resources of the continent and its constituent countries. This course should be of value to students of European history and government.

M., W. and F. at 10. 3 points.

PROFESSOR HOLZWASSER.

Courses 3 and 5 are ordinarily given in alternate years.

7 — GENERAL MINERALOGY. Study of the six crystal systems, and of the identification, properties, occurrences and uses of the more important minerals. One voluntary field trip. Of special interest to geology and chemistry majors and to students interested in the recognition of minerals.

A knowledge of elementary chemistry is desirable but not required. Not open to freshmen. Tu. and Th. at 3 and laboratory (2 hours) to be arranged. 3 points.

PROFESSOR SHAND.

8 — OPTICAL MINERALOGY AND PETROLOGY. An introduction to the study of minerals and rocks in thin sections in which the petrographic microscope will be constantly used.

Prerequisite, Course 7. Tu. and Th. at 3 and laboratory (2 hours) to be arranged. 3 points.

PROFESSOR SHAND.

12 — NATURAL RESOURCES. The nature, distribution, and use of the leading minerals and mineral fuels of the United States are considered. Soil, water, forest, wild life, and fishery resources are likewise discussed. The international aspects of strategic mineral problems are reviewed.

M., W., and F. at 10. 3 points in Group II or III.

PROFESSOR HOLZWASSER.

Course 12 and Geography 10 are ordinarily given in alternate years.

14 — SPRING FIELD COURSE. A reconnaissance survey of important geologic features of the northeast with detailed work in one or more localities. This course is intended to give students experience in the observation of geologic features in the field. Ten days to two weeks in the field immediately after final examinations.

Prerequisite, Courses 1, 2. Students must have departmental approval to take this course. Not given for less than 6 students. Registration must be made by May 1. 2 points for satisfactory completion of field work and notebook; 1 point additional credit for preparation of a report.

PROFESSORS SHARP and HOLZWASSER.

[15 — PALEONTOLOGY. The study of selected fossil specimens from all major geologic epochs and from most divisions of the plant and animal kingdoms. The principles of evolution and scientific nomenclature and the development of man's knowledge of plants and animals of the past.

Prerequisite, Courses 1, 2; no prerequisite for botany or zoölogy majors. 3 points. Not given in 1944-45.]

PROFESSOR HOLZWASSER.

Courses 7 and 15 are ordinarily given in alternate years.

19 — STRUCTURAL GEOLOGY. Lectures, readings and problems on, folds, faults and other geologic structures, and on geologic maps and sections. One or more voluntary field trips.

Prerequisite, Courses 1, 2 or the equivalent. M., W. and F. at 1. 3 points.
PROFESSOR SHARP.

[27 — THE ORIGIN OF LANDFORMS. Lectures, map study and readings on the principles of geomorphology. The origin and evolution of surface features of the earth as controlled by the interaction between geologic structures and erosional processes. One or more voluntary field trips.

Prerequisite, Courses 1, 2 or the equivalent. 3 points. Not given in 1944-45.]

PROFESSOR SHARP.

Courses 19 and 27 are ordinarily given in alternate years.

28 — PHYSICAL DIVISIONS OF THE UNITED STATES. Lectures, map study and readings on the 25 fundamental natural regions of the United States. This course should be of value to students majoring in government, history, economics, the natural sciences, and others wishing to understand the regional aspects of the United States, or expecting to travel within its boundaries. One or more voluntary field trips.

Prerequisite, Courses 1, 2; may be taken concurrently with 2. Open only on permission of the instructor to students who have not had or are not taking Course 2. Not open to freshmen. M., W. and F. at 1. 3 points.

PROFESSOR SHARP.

[30 — ADVANCED PHYSICAL GEOLOGY. Lectures, problems and readings on various topics in physical geology.

Prerequisite, Courses 1, 2, 19 or 27, and 28. Open to juniors and seniors. 3 points. Not given in 1944-45.]

PROFESSOR SHARP.

Courses 8 and 30 are ordinarily given in alternate years.

GERMANIC LANGUAGES AND LITERATURES

HUGH WILEY PUCKETT, Ph.D., Professor of German, *Executive officer*

LOUISE G. STABENAU, A.M., Instructor in German

CLARE BALLUFF, A.M., Lecturer in German

A major in German. — Students majoring in German will be required to take:

German — Courses 9, 10, 45, 46, 51 and other courses to be arranged in consultation with the department.

Other fields — Courses which will vary with the special interest of the student and must be arranged in consultation with the major department.

See also *Medieval Studies*, page 60.

INTRODUCTORY COURSES

1-2 — BEGINNERS' FULL-YEAR COURSE. Elements of grammar, easy reading, written and oral practice.

M., W. and F. at 9 (I), at 1 (II); Tu. and Th. at 9 and F. at 2 (III and IV). Permission to enter IV must be obtained from the department. 6 points.

MRS. STABENAU and MISS BALLUFF.

3, 4 — INTERMEDIATE COURSE. Rapid reading of texts, with practice in writing and speaking German.

Prerequisite for Course 3, Course 1-2 or two years of high-school German.

Prerequisite for Course 4, Course 3, or three years of high-school German. M., W. and F. at 9 (I), at 11 (II). 6 points.

MRS. STABENAU and MISS BALLUFF.

3R — INTERMEDIATE COURSE. PART II. The equivalent of Course 4, given for students who are not sufficiently advanced to take Course 5 or 7.

M., W. and F. at 1. 3 points.

MRS. STABENAU.

4a — ADVANCED COURSE. Emphasis on speaking and writing the language. Reading of literary prose.

Prerequisite, Course 3R or 4 or the equivalent. M., W. and F. at 1. 3 points.

MRS. STABENAU.

LANGUAGE AND LITERATURE COURSES

5, 6 — LESSING, GOETHE AND SCHILLER. Although the course emphasizes literary appreciation rather than practice in the language, considerable opportunity is offered in the discussions for such practice.

Prerequisite for Course 5, Course 3, 4 or 3R, or a high grade in three years of high-school German. Prerequisite for Course 6, Course 5, or the written permission of the instructor. Course 5, 6 is recommended as preparation for more advanced courses in German literature. M., W. and F. at 11. 6 points.

PROFESSOR PUCKETT.

7, 8 — MODERN GERMAN PROSE. Rapid reading of modern German historical, critical and scientific prose, assignments in German newspapers and journals. Structure and development of vocabulary. Especially helpful in giving a more fluent reading knowledge of German for use in other fields, such as science and history, and in preparing for the foreign language test in German.

Prerequisite for Course 7, Course 3R or 4, or the written permission of the instructor. Prerequisite for Course 8, Course 7, or the written permission of the instructor. M., W. and F. at 10. 6 points.

PROFESSOR PUCKETT.

9, 10 — PRACTICE COURSE. Conversation and written exercises.

Prerequisite, Course 3 or a good grade in three years of high-school German. Tu. and Th. at 10. 4 points.

MRS. STABENAU.

[25, 26 — THE DRAMA OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. 4 or 6 points. Not given in 1944-45.]

MRS. STABENAU.

27 — PROSE FICTION OF THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. M. and W. at 2.

PROFESSOR PUCKETT.

[28 — THE LITERATURE OF THE TWENTIETH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1944-45.]

PROFESSOR PUCKETT.

[30 — GERMAN ROMANTICISM.

Prerequisite, Course 5, 6 or 7, 8, or the written permission of the instructor. 2 or 3 points. Not given in 1944-45.]

PROFESSOR PUCKETT.

36 — GOETHE'S *Faust*.

Prerequisite, Course 5, 6, or 7, 8, or the written permission of the instructor. M. and W. at 2. 2 points.

PROFESSOR PUCKETT.

45, 46 — HISTORY OF GERMAN LITERATURE FROM THE EARLIEST TIMES TO THE NINETEENTH CENTURY.

Prerequisite, Course 5, 6 or 7, 8, or the equivalent. Tu. and Th. at 11. 6 points.

PROFESSOR PUCKETT.

[51 — GERMAN LIFE AND INSTITUTIONS. The intellectual life of the German people as expressed in their literature and art, as well as in their institutions, from the time of Frederick the Great to the present. Given in English.

Open to students of all classes. 2 points. Not given in 1944-45.]

PROFESSOR PUCKETT.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures.

GOVERNMENT

RAYMOND MOLEY, Ph.D., LL.D., Professor of Public Law

THOMAS PRESTON PEARDON, Ph.D., Associate Professor of Government, *Executive Officer*

JANE PERRY CLARK CAREY, Ph.D., Assistant Professor of Government

¹ELSPETH V. DAVIES, A.M., Instructor in American Studies

A major in government. — Students majoring in government will be required to take:

Government — Courses 1, 2, 3, 4 and beyond these a number of more advanced courses determined in each case in accordance with the field of interest of the student. Courses 1, 2 and 3, 4 must have been taken by the end of the junior year.

Because of the close relationship between the subject matter of history and that of government students majoring in government may, with the written permission of the adviser, offer as part of the required 28 points, 6 points in history including a choice of *History* 1-2, 3, 4, 9, 10, 11, 12, 23, 24, 25, 26, 35, 36, 37, 38 or 45, 46. When such courses are counted toward the major in government they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences — In view of the essential unity of the social sciences every student majoring in government is required to take courses amounting to 12 points distributed between two of the following departments as selected in conference with the adviser: anthropology, economics, geography, history, philosophy, psychology, sociology.

A major in economics and government. — Students majoring in economics and government will be required to take:

Economics 1-2, 13 or 14, 17, 27. *Government* 1, 2, 3, 4, 25, 26 and at least one additional course in economics or in government.

Other social sciences — See requirement stated above.

¹ Absent on war service.

A major in government and history. — Students majoring in government and history will be required to take:

Government 1, 2, 3, 4, 62 or 72 (for 2 points), and at least one additional course in government. *History* 1-2, 9, 10, 45, and at least one additional course in history.

Other social sciences — See requirement stated above.

See also *American Studies*, page 58, and *International Studies*, page 59.

1, 2 — AN INTRODUCTION TO AMERICAN PUBLIC AFFAIRS. A survey of contemporary American public problems, including the organization and functions of the federal government, the relation of the states to the nation, the leadership of the executive and the process of administration, law and legislation, the judicial system and the administration of justice, the party system and the problems of city government; the governmental regulation and protection of business and labor, the conservation of natural resources and the promotion of public welfare, health and education.

Open to students of all classes. Course 1 is prerequisite for Course 2. M., W. and F. at 9. 6 points.

PROFESSOR CAREY.

3, 4 — COMPARATIVE GOVERNMENT. An introduction to contemporary politics, especially as illustrated by the institutions, trends and problems of government in certain foreign countries: England, Germany, the U.S.S.R. and others. The functioning of democracy abroad; the soviet system; Fascism and National Socialism; other systems, movements and tendencies; the impact of the war on government.

Open to all students. M., W. and F. at 11. 6 points.

PROFESSOR PEARDON.

7, 8 — AMERICAN POLITICAL LIFE. American politics chiefly considered in the light of the ideas, achievements and influence of important political leaders such as Jefferson, Hamilton, Marshall, Lincoln, Hanna, Theodore Roosevelt, Wilson and Franklin D. Roosevelt, and of such interpreters of American life as Emerson, Whitman, Mark Twain and Henry Adams.

Open to all excepting freshmen. Tu., 3-5. 6 points.

PROFESSOR MOLEY.

10 — THE BRITISH EMPIRE. The transformation of the British Empire into a Commonwealth of Nations; government and politics in the self-governing Dominions; India and the Dependent Empire.

Prerequisite, Course 3 or History 12. Tu. and Th. at 11 and Th. at 3. 3 points.

PROFESSOR PEARDON.

11, 12 — INTERNATIONAL RELATIONS. An analysis of the setting and basic factors of contemporary world politics and a study of proposals for reconstructing a stable international order.

Prerequisite, Course 3, 4 or History 1-2. Suggested parallel course: History 25, 26 or 37, 38. Tu. and Th. at 10. 6 points.

PROFESSOR PEARDON.

23, 24 — GOVERNMENT AND SOCIAL CONTROL. Methods of social control by government with especial emphasis on the developing relationship of the government to social problems in war and in peace. The relationship of government to specific social problems such as housing, child welfare, wages and social security. Plans for handling such problems in the post-war world, illustrated by the Beveridge Report, the work of the National Resources Planning Board, etc.

Prerequisite, Course 1, 2 or the equivalent. M., 1-3. 6 points.

PROFESSOR CAREY.

Courses 23, 24 and 25, 26 are ordinarily given in alternate years.

31 — THE HISTORY OF POLITICAL THOUGHT. A study of the development of constitutional principles in the decisions and opinions of the Supreme Court of the United States in relation to civil and political rights in this country; citizenship in the United States; powers of Congress in war and peace; the President, with particular emphasis on military and war powers; the police power; due process of law and the equal protection of the laws.

Prerequisite, Course 1, 2 or the equivalent. M., 3-5. 6 points.

PROFESSOR CAREY.

31 — THE HISTORY OF POLITICAL THOUGHT. A study of the development of political ideas from the Middle Ages to recent times.

Prerequisite, Course 3, 4 or History 1-2. Tu. and Th. at 11 and Th. at 3. 3 points.

PROFESSOR PEARDON.

[41, 42 — PROBLEMS IN PUBLIC ADMINISTRATION. First-hand observation and study, in coöperation with various civic and governmental organizations, of problems of local, state and national government administration.

Prerequisite, 6 points in government and the written permission of the department. Hours to be arranged. 6 points. Not given in 1944-45.]

PROFESSOR CAREY.

[49, 50 — INTRODUCTION TO PUBLIC ADMINISTRATION. The rôle of administration in modern government, with especial emphasis on administrative organization in war and peace; governmental personnel and manpower; centralized and decentralized administration; democratic controls of administration.

Students who plan to take Civil Service examinations in any field will be admitted to the course. 6 points. Not given in 1944-45.]

PROFESSOR CAREY.

[61, 62 — SEMINAR FOR MAJORS. Selected subjects in American politics and government.

6 points. Not given in 1944-45.]

71, 72 — PROBLEMS OF GOVERNMENT.

This course may be taken only in connection with some other course in government. M. at 2 or at 3. 2 or 4 points.

PROFESSOR PEARDON.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 6 points of government at Barnard in addition to a major interest in the social sciences is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

- **Government* 101, 102 — The Process of Government. PROFESSOR WALLACE. 6 points.
- **Government* 171, 172 — Modern Ideas of the State. PROFESSOR MACIVER. 6 points.
- **Public Administration* 155, 156 — Principles of Public Administration. PROFESSOR MACMAHON. 6 points.

GREEK AND LATIN

- GERTRUDE M. HIRST, Ph.D., Professor of Greek and Latin, *Emeritus*
- §LARUE VAN HOOK, Ph.D., Jay Professor of Greek, *Emeritus*
- §KURT VON FRITZ, Ph.D., Professor of Greek and Latin
- MARGARETE BIEBER, Ph.D., Associate Professor of Fine Arts and Archaeology
- JOHN DAY, Ph.D., Assistant Professor of Greek and Latin, *Executive officer*
- §MOSES HADAS, Ph.D., Assistant Professor of Greek and Latin
- §JOHN F. C. RICHARDS, Ph.D., Instructor in Greek and Latin
- EDITH FRANCES CLAFLIN, Ph.D., Lecturer in Greek and Latin
- §FRED W. HOUSEHOLDER, Ph.D., University Extension

A major in Greek, or in Latin, or in Greek and Latin combined. — Students majoring in Greek, or in Latin, or in Greek and Latin combined will be required to take courses to be elected in appropriate sequence under the direction of the department. Toward a

Major in Greek — Any courses in Greek and 4 points in archaeology or civilization or Greek history may count.

Major in Latin — Any courses in Latin and 4 points in archaeology or civilization or Roman history may count.

Major in Greek and Latin combined — The following combinations are possible: (a) 18 points of Greek, 10 points of Latin; (b) 18 points of Latin, 10 points of Greek. No points in archaeology or civilization may count.

At least one course in Greek composition and one course in Latin composition are strongly recommended. Students will find it profitable to take courses in Greek history, or in Roman history, or in both (*History* 5, 6, 13, 14, 15, 16, 17, 18), and courses in archaeology and civilization. A reading knowledge of French and German is advised.

Other fields — The work in other fields will vary with the special interest of the student and should be arranged in consultation with the major department.

§ Officer of Columbia University giving instruction in Barnard College.

ARCHAEOLOGY AND CIVILIZATION

Students majoring in Greek or in Latin may count courses in archaeology and civilization either toward their major or toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value, but not to cover both requirements. For all other students courses in archaeology and civilization will count toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value.

ARCHAEOLOGY

[61-62 — CENTERS OF HELLENIC CIVILIZATION. A study of life at certain Greek cities and sanctuaries of the Prehellenic, Hellenic and Hellenistic periods, as revealed by existing monuments.

Open to all excepting freshmen. 4 points in Group III. Not given in 1944-45.]

PROFESSOR DAY.

[64 — GREEK ARTS AND CRAFTS. A study of Greek life as reflected by vases, coins and other minor arts.

Open to all excepting freshmen. 2 points in Group III. Not given in 1944-45.]

PROFESSOR DAY.

72 — THE GREEK AND ROMAN THEATRE. Development of tragedy, comedy and theatre building, based on literary evidence and particularly on monuments and objects of art. Third hour for the reading, in English translation, of Aeschylus, Sophocles, Euripides, Aristophanes, Plautus and Terence.

M. and W. at 2 and a third hour to be arranged for reading dramas, and conferences. 3 points in Group I.

PROFESSOR BIEBER.

For other courses in archaeology see Fine Arts 41, graduate courses in Fine Arts (page 87) and other courses in the Announcement of the Division of Fine Arts, Archaeology and Music.

CIVILIZATION

49, 50 — GREEK LIFE AND THOUGHT. A portrayal of Greek civilization. *Winter session:* Consideration of the nature of the country; monuments of Athens; archaeology and art; athletic sports and festivals; education. *Spring session:* Surveys are made of literature, the theatre and the drama, political, social, and economic thought and practices, with emphasis upon the origin of our democratic processes; philosophy; religion; science.

Open to students of all classes. Tu. and Th. at 10. 4 points in Group III.

PROFESSOR DAY.

53, 54 — ROMAN LIFE AND THOUGHT. Various aspects of Roman civilization. *Winter session:* The main subjects considered are the Etruscans and their influence upon Rome; development of the Roman "constitution" and its influence upon the Constitution of the United States; economic and social life.

Spring session: Attention is devoted to religion; festivals; the theatre and the drama; literature; archaeology and art; Pompeii and Rome.

Open to students of all classes. Tu. and Th. at 2. 4 points in Group III.
PROFESSOR DAY.

55, 56 — GREEK LITERATURE IN TRANSLATION. *Winter session:* Homer, Hesiod, lyric poetry, Herodotus and Thucydides. *Spring session:* The drama, oratory and philosophy. Special emphasis, in both sessions, on the origins and development of the basic political ideals of democratic civilization.

Open to all excepting freshmen. Tu. and Th. at 11. 4 points in Group I.
DR. CLAFLIN.

GREEK LANGUAGE AND LITERATURE

1-2 — FIRST COURSE (FULL-YEAR). Grammar, composition, selected readings in prose and verse; selections from Homer's Iliad. This course may not be begun in the spring session.

3 recitations, 2 hours unprepared work in classroom. Prerequisite, elementary Latin. M., Tu., W., Th. and F. at 2. 8 points.

PROFESSOR HIRST.

11 — HOMER: ODYSSEY; LUCIAN: SELECTIONS.

Prerequisite, Course 1-2 or three years of high-school Greek. M., W. and F. at 10. 3 points.

PROFESSOR DAY.

12 — PLATO: APOLOGY; EURIPIDES: ONE PLAY.

Prerequisite, Course 1-2 or three years of high-school Greek. M., W. and F. at 10. 3 points.

PROFESSOR HIRST.

19-20 — PROSE COMPOSITION. First course (full-year).

May be taken in connection with any reading course in Greek (except Course 1-2), but not separately; particularly recommended to students who have taken only Course 1-2. This course may be taken for credit in two different years. Hour to be arranged. 2 points.

DR. HOUSEHOLDER.

21 — GREEK TRAGEDY: TWO PLAYS.

Prerequisite, Course 11 or 12 or 25 or 26. W. and F. at 11. 2 points.

PROFESSOR DAY.

22 — GREEK COMEDY: TWO PLAYS OF ARISTOPHANES.

Prerequisite, Course 11 or 12 or 25. W. and F. at 11. 2 points.

PROFESSOR DAY.

25 — SELECTIONS FROM HERODOTUS: BOOK VII. The Persian attempt to enslave Greece. How Themistocles built up the Athenian navy and how the Spartans fought at Thermopylae.

Prerequisite, Course 1-2 or three years of high-school Greek. Tu. and Th. at 11. 2 points.

PROFESSOR HIRST.

26 — DEMOSTHENES: OLYNTHIACS AND PHILIPPICS. The appeals of an Athenian patriot and outstanding orator for resistance to the aggression of Philip of Macedon.

Prerequisite, Course 11, 12 or 25. Tu. and Th. at 11. 2 points.

PROFESSOR DAY.

29-30 — PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20 or the equivalent. May be taken in connection with any reading course in Greek, but not separately. This course may be taken for credit in two different years. Hour to be arranged. 2 points.

DR. RICHARDS.

*101, 102 — GREEK LITERATURE. PART II. POETRY. General survey, with extensive reading, in Greek, of Greek poetry.

Prerequisite, Course 21 or 22 or 25 or 26. Open to qualified seniors. M. and W. at 4. 709 Philosophy. 6 points.

PROFESSOR VAN HOOK.

*139-140 — PROSE COMPOSITION. Advanced full-year course.

Prerequisite, Course 29-30. Open to qualified seniors. Hour to be arranged. 4 points.

DR. RICHARDS.

See also *Archaeology*, page 101, *Civilization*, page 101, *Fine Arts* 41, page 84, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 106-107.

LATIN LANGUAGE AND LITERATURE

1-2 — BEGINNERS' FULL-YEAR COURSE. Elements of grammar, language structure, etymology, word formation, easy reading. Designed to be the equivalent of the first two years of high-school Latin, but also to have positive value for students in other departments who feel the need of a foundation in Latin.

This course will be given if a sufficient number of students apply. M., W. and F. at 2. 6 points.

3 — SELECTIONS FROM VERGIL: AENEID I-VI. Parts of the AENEID will be read and the poem will be studied as a whole.

Prerequisite, two or three years of high-school Latin or Latin 1-2. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points.

DR. CLAFLIN.

4 — CICERO: DE AMICITIA; OVID: SELECTIONS FROM THE ELEGIAC POEMS.

Prerequisite, Course 3 or the equivalent. Not open to students who have had any reading course beyond Courses 11 and 12. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 9. 3 points.

DR. CLAFLIN.

11 — LIVY: SELECTIONS; CATULLUS: SELECTIONS.

Prerequisite, Course 3 or the equivalent in entrance Latin. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points.

PROFESSOR HIRST.

12 — HORACE: SELECTED ODES AND EPODES.

Prerequisite, Course 11. Course 19-20 is strongly recommended as a parallel course. M., W. and F. at 1. 3 points.

PROFESSOR DAY.

[17-18 — LECTURES ON LATIN LITERATURE. The importance of Latin literature among the great national literatures. Full-year course.

Open to students who are taking any reading course in Greek or Latin. 2 points. Not given in 1944-45.]

PROFESSORS HIRST and DAY.

19-20 — LATIN COMPOSITION. First course (full-year).

May be taken in connection with any reading course in Latin, but not separately. Strongly recommended as a parallel to Courses 3, 4 and 11, 12. This course may be taken for credit in two different years. Tu. at 3. 2 points.

DR. CLAFLIN.

21 — HORACE: SATIRES, EPISTLES; TERENCE: PHORMIO. A genial Roman poet's outlook on life as seen in the works of Horace. An adaptation in Latin, by Terence, of the Greek comedy of manners.

Prerequisite, Courses 11 and 12. M., W. and F. at 9. 3 points.

PROFESSOR DAY.

22 — JUVENAL, MARTIAL, PLINY. Roman life and thought in the early Empire.

Prerequisite, Courses 11 and 12. M., W. and F. at 9. 3 points.

PROFESSOR HIRST.

25 — VERGIL: GEORGICS, SELECTIONS. Vergil's most perfect poem.

Prerequisite, Courses 11 or 12 and 21 or 22. Tu. and Th. at 9. 2 points.

PROFESSOR HIRST.

26 — LUCRETIVS: SELECTIONS. A poet's exposition of the Epicurean philosophy.

Prerequisite, Courses 11 or 12 and 21 or 22. Tu. and Th. at 9. 2 points.

PROFESSOR DAY.

[27 — TACITUS: ANNALS XIII-XVI.

Prerequisite, Courses 11 or 12 and 21 or 22. 2 points. Not given in 1944-45.]

PROFESSOR HIRST.

[28 — CICERO: LETTERS, SELECTIONS.

Prerequisite, Courses 11 or 12 and 21 or 22. 2 points. Not given in 1944-45.]

PROFESSOR DAY.

29-30 — PROSE COMPOSITION. Second course (full-year).

Prerequisite, Course 19-20. May be taken in connection with any reading course in Latin, but not separately. This course may be taken for credit in two different years. Th. at 1. 2 points.

[41, 42 — LATIN LITERATURE.

6 points. Not given in 1944-45.]

*139-140 — PROSE COMPOSITION. Advanced full-year course.

Prerequisite, Course 29-30. Open to qualified seniors. Th. at 5. 709 Philosophy. 4 points.

DR. RICHARDS.

See also *Archaeology*, page 101, *Civilization*, page 101, and *History* (Courses 5, 6, 13, 14, 15, 16, 17, 18), pages 106-107.

HISTORY

EUGENE H. BYRNE, Ph.D., Professor of History, *Executive officer*

WILLIAM HALLER, Ph.D., Professor of English

¹JAMES H. OLIVER, Ph.D., Assistant Professor of History

VIRGINIA D. HARRINGTON, Ph.D., Assistant Professor of History

CHARLOTTE T. MURET, Ph.D., Instructor in History

¹GEORGE B. YOUNG, Ph.D., Instructor in History

FRANK R. HAMBLIN, Ph.D., Lecturer in History

CHILTON WILLIAMSON, Lecturer in History

A major in history. — Students majoring in history will be required to take the following courses:

History — Courses 1-2, 9, 10 and one other general course, such as those offered in ancient, medieval, or English history. They should then concentrate their attention on some special field in which to do work of a more advanced character. Courses 1-2 and 9, 10 should have been taken by the end of the junior year.

On account of the close relationship between the subject matter of history and that of government, history students majoring in history may with the written permission of the department offer as part of the 28 points of the major requirement 6 points in government selected from Courses 1, 2, 3, 4, 9, 10, 11, 12, 31, 32. When such courses are counted toward the major they may not also be counted toward the satisfaction of the requirement in other social sciences described below.

Other social sciences — In view of the essential unity of the social sciences, students majoring in history must elect 12 points distributed in two social sciences other than history. The courses will be selected in conference with the adviser. Certain of these courses may also be counted toward the satisfaction of the general requirement in Group I or Group II. (See page 28.)

Students majoring in history must acquire a reading knowledge of some foreign language.

With the work in history they may combine work in other departments to make up a group of correlated courses on some large subject, such as ancient history and philosophy or art, modern history and international relations or sociol-

¹ Absent on war service.

ogy, English history and literature or government, American history and economics, the history of thought and culture.

A major in government and history. — Students majoring in government and history will be required to take:

Government 1, 2, 3, 4, 62 or 72 (for 2 points), and at least one additional course in government. *History* 1-2, 9, 10, 45, and at least one additional course in history.

See also *American Studies*, page 58, *International Studies*, page 59, and *Medieval Studies* and *Renaissance Studies*, pages 60 and 61.

INTRODUCTORY COURSE

1-2 — SURVEY OF MODERN EUROPEAN HISTORY FROM THE AGE OF DISCOVERY TO THE OUTBREAK OF THE SECOND WORLD WAR. *Winter session:* Foundations of modern Europe; political, economic, social and intellectual achievements from the fifteenth century to the eighteenth; the British, American and French Revolutions; the era of Napoleon and the Congress of Vienna. *Spring session:* Industrial Revolution; rise of nationalism; social, intellectual and economic problems of the nineteenth century; imperialism and world politics; causes and consequences of the First World War; Fascism, Bolshevism, Nazism; causes and outbreak of the Second World War. Full-year course.

Open to students of all classes. M., W. and F. at 9 (I), at 11 (II); also, for freshmen only, M., W. and F. at 11 (III and IV), and Tu., Th. and S. at 11 (V and VI). 6 points.

PROFESSOR BYRNE, MME. MURET and MR. WILLIAMSON.

GENERAL COURSES

[3-4 — THE AMERICAN HERITAGE. Modern world history from the American standpoint. Origins, background, development and character of American civilization; European events as they influenced the growth of the Americas; the coming of Europeans and other peoples to the Americas from the fifteenth to the twentieth centuries and an estimate of their contributions. The Thirteen English Colonies and the United States as part of the American hemisphere and of the world; the emphasis to be placed on social and cultural history against the political background. Full-year course.

Open to specially qualified freshmen. Not recommended for prospective history majors. 8 points. Not given in 1944-45.]

5, 6 — THE HISTORY OF THE ANCIENT WORLD. A survey of the ancient Orient, Greece and Rome.

Open to sophomores, juniors and seniors and to qualified freshmen on written permission of the department. Fine Arts 41 is recommended as a parallel course. M., W. and F. at 9. 6 points.

DR. HAMBLIN.

9, 10 — HISTORY OF THE AMERICAN NATION FROM COLONIES TO WORLD POWER. *Winter session:* Political, social and economic aspects of American history under the British Empire, during the Revolution, and in the early republic;

territorial expansion and foreign affairs before the Civil War; political parties and sectionalism to the Compromise of 1850. *Spring session*: The Civil War and reconstruction; nationalism and industrial capitalism; the agrarian revolt and the reform movement; the United States as a world power; the First World War and after.

Open to sophomores, juniors and seniors and to qualified freshmen on written permission of the instructor. M., W. and F. at 10. 6 points.

MR. WILLIAMSON.

11, 12 — THE HISTORY OF ENGLAND. The development of English institutions, characteristics and ways of living with particular reference to language and literature; the relation of English to American civilization. *Winter session*: The Norman Conquest to the Restoration; medieval beginnings, Tudor nationalism, the Puritan Revolution. *Spring session*: The Restoration to 1914; the ruling class and the Empire, the American, French and Industrial Revolutions, the Victorian age.

Open to all excepting freshmen. Tu. and Th. at 2 and a conference hour to be arranged. 4 or 6 points.

PROFESSOR HALLER.

MORE ADVANCED COURSES

13, 14 — HISTORY OF GREECE. A short survey of Greek civilization in its three "stages": Helladic, Hellenic and Hellenistic; fifth-century Athens, as the highest type of Greek culture, and the Hellenistic Age, as the period of cultural transmission.

Open to juniors and seniors and to sophomores on written permission of the instructor. Fine Arts 41 is recommended as a parallel course. M., W. and F. at 1. 6 or 8 points.

DR. HAMBLIN.

[15, 16 — HISTORY OF ROME. The rise of Rome, her conquest of the Mediterranean world, a detailed study of the Empire.

Open to juniors and seniors and to sophomores on written permission of the instructor. 6 or 8 points. Not given in 1944-45.]

DR. HAMBLIN.

Courses 13, 14 and 15, 16 are ordinarily given in alternate years.

17, 18 — MEDIEVAL CIVILIZATION AND THE RENAISSANCE. *Winter session*: The social and cultural history of the Middle Ages with emphasis upon developments in the twelfth and thirteenth centuries. *Spring session*: Politics and society in the fourteenth, fifteenth and early sixteenth centuries.

Open to juniors and seniors and to sophomores on written permission of the instructor. A fine arts course to be selected from 51, 52, 62, 65, 66 is recommended as a parallel course. Tu. and Th. at 10, and Th. at 2. 6 points.

PROFESSOR BYRNE.

21-22 — THE FRENCH REVOLUTION AND NAPOLEON. A study of the Revolution; the background of eighteenth-century Europe; origins of the Revolution; its political and social doctrines; the Napoleonic era and the spread of revolutionary ideas; reaction and the Congress of Vienna. Full-year course.

Open to juniors and seniors and to sophomores on written permission of the instructor. M., W. and F. at 1. 6 points.

MME. MURET.

[23, 24 — EUROPE IN THE NINETEENTH CENTURY (1815-1914). A review of the social and intellectual bases of contemporary Europe and a history of its principal nations after 1815. The results of the Industrial Revolution; the theories and growth of liberalism, democracy, nationalism and imperialism; romanticism and realism in arts and letters; scientific and religious developments; socialism and syndicalism in theory and practice; the intellectual sources of Fascism and Nazism.

Open to juniors and seniors and to sophomores on written permission of the instructor. 6 points. Not given in 1944-45.]

MME. MURET.

25, 26 — EUROPE AND THE TWO WORLD WARS. England, France, Germany, Russia, Italy, the Near East, the Far East since 1890; imperialism and alliances. Factors leading to the First World War. The war; the peace treaties; efforts at world organization. Europe between two wars; collectivism and democracy; the evolution of Bolshevism; the origins and growth of Fascism and Nazism; German expansion; the causes of the Second World War. Problems of Europe today.

Open to all excepting freshmen. Course 25 is prerequisite for Course 26 except on written permission of the instructor. M., W. and F. at 10. 6 points.

MME. MURET.

33-34 — AMERICAN COLONIAL HISTORY. The establishment of the English colonies in the New World; political, economic, religious and social development of the colonies in the seventeenth and eighteenth centuries; origins of present American institutions in the colonial period; indications of an American culture in the mid-eighteenth century; development of British colonial policy; rivalry with Spain, Holland and France; British policy after 1763; the Revolution; the Confederation; the Federal Constitution. Full-year course.

Open to all excepting freshmen. Tu. and Th. at 10. 4 points.

PROFESSOR HARRINGTON.

37, 38 — HISTORY OF AMERICAN FOREIGN RELATIONS. International relations of the American people from independence to world power. An attempt to understand the expansive forces of American national life in their relation to an evolving foreign policy. An analysis of the varied international interests of Americans and of such representative policies as isolation, the Monroe Doctrine, the Open Door and the freedom of the seas.

Preceding or parallel, Course 9, 10. Tu. and Th. at 9. 4 or 6 points.

45, 46 — SEMINAR IN HISTORICAL STUDY. Readings in the great historians of the nineteenth and twentieth centuries. Introduction to problems in historical criticism.

Open to students majoring in history upon approval of the department, and recommended for prospective teachers of history. Th. at 4. 4 points.

PROFESSOR BYRNE.

GRADUATE COURSES

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. Ordinarily a minimum of 18 points in history at Barnard, or in special cases the equivalent thereto in courses in other social sciences, is required as a prerequisite. A description of the graduate courses will be found in the Announcement of the Division of History, Economics, Public Law and Sociology. The following are specially recommended as suitable for Barnard seniors:

- **History 169-170* — American Constitutional History. PROFESSOR COM-MAGER. Tu. and Th. at 2. 6 points.
- **History 171-172* — Development of American Nationalism in the nineteenth and twentieth centuries. PROFESSOR KROUT. Tu. and Th. at 11. 6 points.
- **History 187-188* — Latin American History, Social, Political, Cultural. PROFESSOR TANNENBAUM. F., 5-6.20. 6 points.
- **History 192* — Modern History of the Far East. DR. GARDNER. Tu. and Th. at 11. 3 points.
- **History 193-194* — History of Chinese Civilization. PROFESSOR GOOD-RICH. M. and W. at 10. 6 points.
- **History 263-264* — Canada in North American History. PROFESSOR BREB-NER. M., 3-4. 6 points.

HYGIENE

GULIELMA F. ALSOP, M.D., College Physician

A1-A2 — PERSONAL HYGIENE. A study of the laws of health with special reference to nutrition for defense and physical and mental stamina. Full-year course.

Prescribed for freshmen. Tu. at 11 (I), at 2 (II); Th. at 1 (III); F. at 11 (IV). 2 points.

DR. ALSOP.

ITALIAN

²PETER M. RICCIO, Ph.D., Assistant Professor of Italian, *Executive officer*

§DINO BIGONGIARI, A.B., Da Ponte Professor of Italian

§GIUSEPPI PREZZOLINI, Professor of Italian

TERESA A. CARBONARA, A.M., Instructor in Italian

A major in Italian. — Students majoring in Italian will be required to take:

Italian — Courses 13, 14, 15, 16, 19, 20, 21, 22, 23, 24, 25, 26, and other courses to be arranged in consultation with the department.

Other fields — *English* 53, 54; *Fine Arts* 51, 52, 62, 65; *History* 17, 18; *Philosophy* 61-62. Two years of French or German or Spanish. Some knowledge of Latin is also desirable.

See also *Medieval Studies* and *Renaissance Studies*, pages 60 and 61.

² On leave Spring Session.

§ Officer of Columbia University giving instruction in Barnard College.

LANGUAGE COURSES

3-4 — INTRODUCTORY FULL-YEAR COURSE. Introduction to Italian language intended primarily for majors in other departments who wish to acquire in one year ability to read masterpieces of Italian literature in the original.

This course may not be taken parallel to Portuguese 1-2 or Spanish 1-2. M., W. and F. at 1. 6 points.

MISS CARBONARA.

11-12 — ADVANCED CONVERSATION.

Open only to students who are taking another Italian course in either semester. Th. at 1. 2 points.

PROFESSOR RICCIO.

13, 14 — PRACTICE COURSE.¹ Vocabulary building with special emphasis on conversation and composition based on readings in representative Italian literary works.

Prerequisite, Course 3-4. Tu. and Th. at 9 and a third hour to be arranged. 6 points.

PROFESSOR RICCIO.

LITERATURE COURSES

15 — DANTE AND MEDIEVAL CULTURE.¹ A study of Dante, his poetry and his times, including practice in the written and spoken language. Reading aloud, emphasis on rhythm and melody of the spoken language. "Analisi estetica" of the most celebrated passages of the DIVINE COMEDY.

Prerequisite, Course 3-4 or 13, 14 or the equivalent. This course may be taken for credit in two different years. M., W. and F. at 11. 3 or, with the written permission of the instructor, 4 points.

MISS CARBONARA.

16 — THE ITALIAN RENAISSANCE.¹ Petrarch and humanism; Machiavelli and political philosophy; Castiglione and the ideal of the modern gentleman. Ariosto and the Italian chivalric epic. Tasso and the counter-reformation. This course includes practice in the written as well as the spoken language.

Prerequisite, Course 3-4 or 13, 14 or the equivalent. M., W. and F. at 11. 4 points.

MISS CARBONARA.

19, 20 — ITALIAN CIVILIZATION. *Winter session:* A study of Italian culture in the thirteenth and fourteenth centuries with special emphasis on Dante; Petrarch and early humanism. *Spring session:* A study of Italian culture from the fifteenth century to modern times with special emphasis on world exploration, the discovery of politics, Renaissance arts and social life, development of music, drama, opera and modern science.

Open to students of all classes. Conducted in English. M., W. and F. at 2. 6 points.

PROFESSORS BIGONGIARI, PREZZOLINI and RICCIO and MISS CARBONARA.

¹ Conducted entirely in Italian.

21, 22 — SPECIAL READING.¹ Discussions on readings in Italian art, history, science, music and letters. Individual reading assignments are generally given in that field of Italian culture most intimately associated with the student's major interests.

Required of major students. With the written permission of the department this course may be taken in two successive years. Hours to be arranged. 4 or, with the written permission of the instructor, 6 points.

PROFESSOR RICCIO and MISS CARBONARA.

23 — MODERN ITALIAN LITERATURE.¹ *Winter session:* The development of nineteenth-century literature with particular emphasis on Monti, Alfieri, Foscolo, Manzoni, Leopardi, Carducci and D'Annunzio, Croce, Palazzeschi, Panzini and the new theatre of Pirandello, Rosso di San Secondo, Morselli.

Prerequisite, Course 13, 14 or the equivalent. W. and F. at 2. 3 points.

PROFESSOR RICCIO.

[25, 26 — CONTEMPORARY ITALY. The geographic basis of Italian life; the Italian tradition in political and social philosophy from Machiavelli to Pareto, Mosca and other contemporaries; recent economic history, leading to the development of the "corporate state"; social conditions; recent cultural trends; characteristics of the Italian people.

Open to students of all classes. Conducted in English. 6 points. Not to be given in 1944-45.]

PROFESSOR PREZZOLINI and MISS CARBONARA.

GRADUATE COURSES¹

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures. The following is specially recommended as suitable for Barnard seniors:

**Italian 101-102* — Introduction to the History of Italian Literature. Full-year course. PROFESSOR BIGONGIARI. 6 points.

LATIN. See *Greek and Latin*.

MATHEMATICS

§EDWARD KASNER, Ph.D., Adrain Professor of Mathematics

GEORGE WALKER MULLINS, Ph.D., LL.D., Professor of Mathematics,
Executive officer

EDGAR R. LORCH, Ph.D., Assistant Professor of Mathematics

MARY ELIZABETH LADUE, Ph.D., Instructor in Mathematics

LOUISE M. COMER, Sc.M., Instructor in Mathematics

The courses in mathematics are arranged in two sequences, either of which is suitable for students electing mathematics as a cultural subject.

¹ Conducted entirely in Italian.

§ Officer of Columbia University giving instruction in Barnard College.

Sequence A is designed for students whose major interest lies in mathematics or in physics. In the courses of this sequence emphasis is placed on the formal and logical development of the subjects and also on the technic of operations and processes involved.

Sequence B is designed to meet the needs of students whose major interest lies in natural sciences other than physics, or in the social sciences. In the courses of Sequence B emphasis is placed on the practical application of elementary mathematics in the fields of science and social science. The cultural and vocational aspects of trigonometry, analytic geometry, the calculus, elementary mathematical statistics and graphical methods are stressed.

The arrangement of courses in both sequences admits of considerable flexibility. For example, a student who has elected in her freshman year courses in Sequence B may, upon consultation with the department, be able to change to Sequence A at the beginning of her sophomore year. A similar shift may be made from Sequence A to Sequence B, but students must consult the department to avoid duplication of work.

A major in mathematics. — Students majoring in mathematics will be required to take:

Mathematics — 28 points selected from Sequence A. With the approval of the department courses in Sequence B may also count toward the major.

Other fields — The work will vary with the special interest of the student and must be arranged in consultation with the major department.

SEQUENCE A

1 (or 2R) — TRIGONOMETRY.

Winter session only: 1 — M., W. and F. at 9. *Spring session only:* 2R — Tu., Th. and S. at 11 (I); M., W. and F. at 9 (II). 3 points either session.

MISS COMER.

7-8 — See Sequence B.

22 (or 21R) — ANALYTIC GEOMETRY. Introduction to the analytic geometry of the plane and of space.

Prerequisite, Course 1 or 7, Sequence B. *Winter session only:* 21R — M., W. and F. at 9 (I), at 3 (II). *Spring session only:* 22 — M., W. and F. at 9 (I), at 3 (II). 3 points either session.

PROFESSOR LORCH, DR. LADUE and MISS COMER.

23 — ALGEBRA AND THE THEORY OF EQUATIONS. Exponential and logarithmic functions; theory of logarithms in numerical calculation and the use of the slide rule, determinants and the solution of linear equations; complex numbers and quadratic equations, and graphical treatment of equations.

Tu., Th. and S. at 11 (I and II). 3 points.

DR. LADUE and MISS COMER.

[27 — PROJECTIVE GEOMETRY. Perspectivity; homology; the principle of duality; involution; projective forms in relation to conic sections, leading up to the theorems of Pascal, Brianchon and Desargues.

Prerequisite, Course 22 or 7-8, Sequence B. 3 points. Not given in 1944-45.]

PROFESSOR MULLINS.

29 — See Sequence B.

31-32 (or 32R-31R) — CALCULUS. Differential and integral calculus. Full-year course.

Students electing 32R in the spring session must take 31R in the following winter session. Prerequisite, Course 22 or 7-8, Sequence B. Entire year: 31-32 — M., W. and F. at 10. Spring session only: 32R (equivalent of 31) — M., W. and F. at 9 (I), at 3 (II). Winter session only: 31R (equivalent of 32) — M., W. and F. at 11. 6 points.

PROFESSORS MULLINS and LORCH, DR. LADUE and MISS COMER.

33 (or 34R) — CALCULUS. Continuation of the study of calculus.

Prerequisite, Course 31-32. Winter session only: 33 — M., W. and F. at 9. Spring session only: 34R — M., W. and F. at 11. 3 points either session.

PROFESSOR LORCH.

[47 — ELEMENTARY THEORY OF NUMBERS. A study of the properties of whole numbers. A variety of important and historically interesting problems will be discussed on an entirely elementary basis. Among the topics to be dealt with are: divisibility; Euclid's algorithm; prime numbers; quadratic residues; diophantine equations; rings and fields.

Prerequisite, Courses 1 and 22 or Course 7-8, Sequence B. 3 points. Not given in 1944-45.]

PROFESSOR LORCH.

56 — DIFFERENTIAL EQUATIONS. An elementary course in differential equations.

Prerequisite, Course 33. M., W. and F. at 2. 3 points.

PROFESSOR MULLINS.

[58 — HIGHER ALGEBRA. Fields, theory of equations in various fields, symmetric functions, elimination theory. Theory of determinants and matrices, systems of linear equations.

Preceding or parallel, Course 31-32. 3 points. Not given in 1944-45.]

PROFESSOR LORCH.

107 — PROBABILITY. The classical theory of probability is developed in a rigorous fashion. The critique of the theory is implemented by the discussion of numerous examples. The topics treated include: the theorems of Tchebycheff, Bernoulli and Poisson; Stirling's formula; the probability integral; generating functions; the normal law of error.

Preceding or parallel, Course 33. M., W. and F. at 1. 3 points.

PROFESSOR LORCH.

108 — CALCULUS OF FINITE DIFFERENCES. The calculus of finite differences and sums is developed in analogy to the differential and integral calculus, and is then applied to the study of difference equations, special functions, infinite products, and asymptotic expansions. While the emphasis of the course is theoretical, applications are made to interpolation and approximation in tabulated data.

Prerequisite, Course 33. M., W. and F. at 1. 3 points.

PROFESSOR LORCH.

133, 134 — FUNDAMENTAL CONCEPTS OF MODERN MATHEMATICS. A general survey emphasizing the bearing of higher theories on elementary mathematics and the historical evolution of ideas. Topics treated: transformations and groups, conformal mapping, algebra of logic, point-sets and topology, imaginary and hypercomplex numbers. Applications to physics.

Preceding or parallel, Course 31-32. M., W. and F. at 11. 6 points.

PROFESSOR KASNER.

[135, 136 — SURVEY OF MODERN MATHEMATICS. Development of the number system. Modern theory of infinity. Elementary geometry of four dimensions; vector geometry; conformal representations. Groups, finite and continuous. Non-Euclidean and n -dimensional geometry. Mathematical physics.

Preceding or parallel, Course 31-32. 6 points. Not given in 1944-45.]

PROFESSOR KASNER.

Courses 133, 134 and 135, 136 are ordinarily given in alternate years.

SEQUENCE B

7-8 — MATHEMATICAL ANALYSIS. *Winter session:* Coördinates, graphs, frequency curves, index notation, common logarithms and their application, trigonometry and its application. *Spring session:* Analytic geometry: the straight line, the circle, the conic sections and exponential curves. Elementary treatment of the calculus and its application in finding rates, maximum and minimum values and areas. Graphical solution of polynomial equations. Full-year course.

M., W. and F. at 1 (I); Tu., Th. and S. at 9 (II and III). 6 points.

DR. LADUE and MISS COMER.

29 — GRAPHICAL AND NUMERICAL METHODS. Nomographic charts for calculation, solution of equations by graphical and numerical methods, numerical integration, numerical solutions of differential equations.

Prerequisite, Course 7-8 or 22, Sequence A. M., W. and F. at 2. 3 points.

PROFESSOR MULLINS.

MEDIEVAL STUDIES. See *Interdepartmental Courses*, page 60.

MUSIC

§DOUGLAS STUART MOORE, A.B., Mus. B., Professor of Music, *Executive officer of the Department*

OTTO LUENING, Associate Professor of Music on the Joline Foundation.

§SETH BINGHAM, A.B., Mus. B., Associate Professor of Music

§PAUL HENRY LÁNG, Ph.D., Professor of Musicology

§HERBERT DITTLER, Assistant Professor of Music

§WILLIAM J. MITCHELL, A.M., Assistant Professor of Music

CAROLYN P. CADY, A.M., Instructor in Music

§WILLARD RHODES, A.M., Associate in Music

§ Officer of Columbia University offering courses open to qualified Barnard students.

§HARWOOD SIMMONS, A.M., Mus. D., Associate in Music

§ERICH HERTZMANN, Ph.D., Lecturer in Music

§RUDOLPH THOMAS, A.M., University Extension

§GEORGE HERZOG, Ph.D., Assistant Professor of Anthropology

§NICHOLAS GOLDSCHMIDT, Associate in Music

Teaching Staff in Applied Music:

ALTA HILL, Piano

§YELLA PESSL, Harpsichord

DAGMAR RYBNER-BARCLAY, Voice

FRANK M. SHERIDAN, Piano

§CARL WEINRICH, F.A.G.O., Organ

A major in music. — Students intending to major in music should plan to take Courses 1a and 2 in the freshman year and Course 31-32 in the sophomore year as these courses are prerequisite to the advanced courses in literature, history, and theory which are normally included in a major program.

In general, major programs are planned to include some advanced work both in literature and history, and in theory. Ordinarily Courses 23-24 and 37-38 are required. Other applied music courses are counted toward fulfillment of the major but are not required. Music majors, whether or not registered in courses in applied music, are expected to participate in the undergraduate musical organizations.

Attendance at the Collegium Musicum meetings is compulsory for all music majors.

Other fields — A reading knowledge of German, Italian or French is required. Students planning to do graduate work must have two foreign languages one of which is German. *Italian* 3-4 is recommended for its relationship with the materials of *Music* 16. *Philosophy* 41-42 is recommended. Courses in history, literature or other fields which will vary with the special interest of the student should be elected after consultation with the major department.

Practice rooms. The department provides practice rooms for the use of students of piano and organ. Preference in assigning hours is given to those enrolled in courses given by the department. Application for practice time on the piano should be made to the department office, 407 Barnard, during registration and the first two days of classes. Organ students should apply to the Columbia department secretary, 601 Journalism.

Library. Books, scores and records are available at the Barnard College Library. 407 Barnard serves as a phonograph room. The Columbia Department of Music maintains in Room 701 Journalism a lending library of books and scores. In addition, phonographs with a large collection of records are available to students.

LITERATURE AND HISTORY

1-2 — AN INTRODUCTION TO MUSIC. A study of the elements of musical structure designed to form intelligent habits of listening to music. The spring

§ Officer of Columbia University offering courses open to qualified Barnard students.

session is devoted to a study of selected masterpieces of the several great epochs of music, with emphasis on their style and structure. No previous knowledge of music is required.

Winter session: Tu. and Th. at 11 and additional drill hours to be arranged. 603 Journalism. Spring session: Tu. and Th. at 11 and an additional hour, Th. at 1. 408 Barnard. 4 points.

PROFESSOR MOORE and MRS. CADY.

1a — AN INTRODUCTION TO MUSIC. Similar to Music 1 but with a more detailed study of rhythmic, melodic and harmonic notation, intervals and chords for students preparing for advanced courses in music.

Open on written permission of the instructor. Course 2 should follow. Tu. and Th. at 11. 408 Barnard. 2 points.

MRS. CADY.

*13-14 — LITERATURE OF CHAMBER MUSIC. A study of the literature of chamber music involving class analysis and performance of a selected list of compositions from the seventeenth century to the present day. Full-year course.

Prerequisite, Course 1a or the equivalent, and sufficient technical ability on piano, string or wind instruments. Open only on written permission of the instructor. Tu., 3-5. 602 Journalism. 4 points.

PROFESSOR DITTLER.

15 — THE SYMPHONY. Survey of symphonic style and structure from about 1750 to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 408 Barnard. 3 points.

MRS. CADY.

16 — THE OPERA. A rapid survey of the development of opera from Monteverdi to the present.

Prerequisite, Course 1-2 or the equivalent. M., W. and F. at 2. 408 Barnard. 3 points.

PROFESSOR LUENING.

[*19, 20 — LITERATURE OF CHORAL MUSIC. A survey of representative choral masterpieces from the Renaissance to the present, approached primarily through class performance.

Prerequisite, Course 1a or the equivalent. 4 points. Not given in 1944-45.]

MR. GOLDSCHMIDT.

*23-24 — HISTORY OF MUSIC. A survey of the history of music from the beginning of the Christian era to the present. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 11 and Th. at 1. 703 Journalism. 6 points.

PROFESSOR LÁNG.

*53, 54 — FOLK, PRIMITIVE AND ORIENTAL MUSIC. The study of music outside the range of cultivated music of the Western world; scale, melody, rhythm, form and harmony in primitive music and folk music; a survey of the music of Oriental civilizations; the rôle of the social setting; demonstrations with phonograph records.

Prerequisite, Course 1a or the equivalent. M., 2-4. 703 Journalism. 4, or with the written permission of the instructor, 6 points.

PROFESSOR HERZOG.

*57 — BACH. A study of the content, forms and styles of Bach's music.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 2. 603 Journalism. 2 or, with the written permission of the instructor, 3 points.

PROFESSOR MOORE.

*58 — TWENTIETH-CENTURY TENDENCIES IN MUSIC. Lectures and discussions of the idioms, esthetics, forms and styles of the chief contemporary composers.

Prerequisite, Course 31-32 or the equivalent. Tu. and Th. at 2. 603 Journalism. 2 or, with the written permission of the instructor, 3 points.

PROFESSOR MOORE.

*109 — MUSIC IN THE MIDDLE AGES. Survey of the main types of music through the fourteenth century, with detailed analysis of the music.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. F., 3-5. 703 Journalism. 3 points.

DR. HERTZMANN.

*110 — MUSIC IN THE RENAISSANCE. The main types of music from the fourteenth into the sixteenth century. Analysis of representative compositions and recordings.

Open to qualified seniors. Prerequisite, Course 23-24 or the equivalent. F., 3-5. 703 Journalism. 3 points.

DR. HERTZMANN.

[*111 — BAROQUE MUSIC. A survey of baroque tendencies in music from the late sixteenth to the early eighteenth century, with detailed analysis of the representative works.

3 points. Not given in 1944-45.]

DR. HERTZMANN.

[*112 — ROCOCO MUSIC. Discussion and analysis of rococo music during the eighteenth century based on the study of representative compositions.

3 points. Not given in 1944-45.]

DR. HERTZMANN.

Collegium Musicum meets several times a year on Monday evenings to be announced. College Parlor, Barnard.

The aim of this organization is to acquaint the students with certain neglected and unfamiliar masterpieces in the literature of music, in order to supplement concert and recital programs to be heard in the city and elsewhere. All students majoring in music are required to attend the meetings and are urged to participate actively in the performance of vocal and instrumental music. The literature to be used embraces music from medieval times up to the present day. Emphasis is placed upon a variety of compositions and not on finished performance.

THEORY

31-32 — HARMONY. A study of triads, tones of figuration, dissonance, and modulation. One hour each week is devoted to ear training. Students who register must be able to play the piano. Full-year course.

Prerequisite, Course 1a or the equivalent and the written permission of the instructor. M., W. and F. at 1. 408 Barnard. 6 points.

MRS. CADY.

*35-36 — COUNTERPOINT. Full-year course.

Prerequisite, Course 31-32 or the equivalent. M. and F. at 2 and a third hour to be arranged. 602 Journalism. 6 points.

PROFESSOR BINGHAM.

*37-38 — ADVANCED HARMONY AND ANALYSIS. An analytical study of the elements of chromaticism. The exercises in various styles are taken from the literature and are designed to introduce the student to problems of musical texture. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Parallel, advised but not required, Course 35-36. M., W. and F. at 10. 603 Journalism. 6 points.

PROFESSOR MITCHELL.

*39-40 — COMPOSITION A. Composition in the smaller forms, including songs, choral settings of carols and anthems, piano or organ solos, and pieces for violin or other instruments with piano. Full-year course.

Prerequisite, Course 31-32 or the equivalent. M. at 3. 602 Journalism. 2 points.

PROFESSOR BINGHAM.

*131-132 — COMPOSITION B. Canon and fugue are studied with practice in writing in these forms. Freer compositions are made for chorus, organ, piano and chamber-music groups. Full-year course.

Prerequisite, Course 35-36 and the written permission of the instructor. W., 2-4. 602 Journalism. 4 points.

PROFESSOR BINGHAM.

*133-134 — ORCHESTRATION. The various instruments of the modern orchestra are described, with demonstrations by professional players. A considerable amount of arrangement for orchestra is a part of the work. Full-year course.

Prerequisite, Courses 35-36, 37-38 or the equivalent and written permission of the instructor. M., 4-6. 602 Journalism. 6 points.

PROFESSOR LUENING.

APPLIED MUSIC

Note. Each course in applied music must be taken parallel to a theoretical or historical course in music in order to count toward the degree.

63, 64 — UNIVERSITY ORCHESTRA AND BAND. Properly qualified students are privileged to receive private lessons without special fee in connection with this course. Students not desiring credit are eligible to membership in the orchestra and band without fee.

Open only on written permission of the instructor. 601 Journalism. 2 points (see note above).

Orchestra (I), M., 4-6 and W., 7:30-9:45 P.M. 312 Hamilton.

PROFESSOR DITTLER.

Band (II), Tu., 7:30-9:45 P.M. 312 Hamilton.

DR. SIMMONS.

*71-72 — SCORE READING AND REPERTORY. A thorough study and analysis of a group of compositions representing various periods and styles. Lectures and practice in reading clefs and transposing instruments. Full-year course.

Prerequisite, Course 31-32 or the equivalent. Th. 2-4. 602 Journalism. 4 points.

MR. THOMAS.

*75-76 — CONDUCTING. The essentials of conducting, the technic of the baton, interpretation, repertory. Exceptionally qualified students have the opportunity of conducting orchestra, band and choral ensemble. Full-year course.

Prerequisite, Course 31-32 or the equivalent and the written permission of the instructor; preceding or parallel, Course 71-72. W., 4-6. 602 Journalism. 4 points.

MR. THOMAS.

79, 80 — VOCAL INSTRUCTION. Private lessons in voice production and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early during the registration period as possible. Special fee, \$100 each session. One hour weekly to be arranged. 406 Barnard. 2 points (see note above).

MME. RYBNER-BARCLAY.

83, 84 — ORGAN INSTRUCTION. Individual instruction in the technic of the instrument and a weekly class lesson, or lecture recital, on the interpretation of the works of representative organ composers.

Open only on written permission of the instructor. Hours to be arranged. 2 points (see note above).

83a, 84a — Private lessons. Special fee, \$100 each session.

83b, 84b — One hour a week in a group of three. Special fee, \$60 each session.

83c, 84c — One hour a week in a group of four. Special fee, \$45 each session.

MR. WEINRICH.

91, 92 — PIANO INSTRUCTION FOR BEGINNERS. Private lessons in the technic of the instrument and in interpretation.

No student shall register for this course without consultation with the Music Department as early during the registration period as possible. Special fee, \$55 each session. Hours to be arranged. 406 Barnard. 2 points (see note above).

MISS HILL.

93, 94 — PIANO INSTRUCTION FOR ADVANCED STUDENTS. Private lessons in the technic of the instrument and in interpretation. Coaching and repertory.

No student shall register for this course without consultation with the Music Department as early during the registration period as possible. Special fee, \$160 each session. Hours to be arranged. 406 Barnard. 2 points (see note above).

MR. SHERIDAN.

*u95-u96 — HARPSICHORD INSTRUCTION. Private lessons at hours to be arranged.

Special fee, \$100 each session. A harpsichord is available for practice at no additional charge. 2 points.

MISS PESSL.

BARNARD GLEE CLUB. PROFESSOR SETH BINGHAM, Director.

All Barnard students are eligible for membership. The repertory will consist chiefly of compositions for women's voices drawn from the literature of the masters and representative contemporary composers and of arrangements of folk music of various countries.

Besides appearances at the College, the Glee Club's schedule normally includes broadcasts and concerts outside of college, joint programs with men's and other women's colleges and two concerts each season with the Columbia University Glee Club and the Columbia University Orchestra at which more elaborate choral works will be performed.

Rehearsals: M., 5-6:15; W., 7:30-9:15 (with Columbia Glee Club). 408 Barnard.

Audition dates to be announced week of Sept. 25.

CHAPEL CHOIR. DR. LOWELL P. BEVERIDGE, Director of Chapel Music. All men and women students of the University are eligible to sing in the Chapel Choir. Regular members of the Choir are entitled to a refund of a portion of their tuition fees.

Services: Daily except Saturday, 12-12:20, and Sunday at 11.

Rehearsals: M., W. and F., 5-6:15; Sunday 9:45. Chapel Crypt.

Auditions: M., Sept. 25, 3-5; Tu., Sept. 26, 10-12 and 3-5; W., Sept. 27, 10-12. Chapel Crypt.

ORIENTAL CIVILIZATIONS

Courses in oriental language, literature, history, philosophy and art, given at Columbia University and described in the Announcement of the Division of Ancient and Oriental Languages and Literatures, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

PHILOSOPHY

WILLIAM P. MONTAGUE, Ph.D., Johnsonian Professor of Philosophy

HELEN H. PARKHURST, Ph.D., Professor of Philosophy, *Executive officer*

GERTRUDE V. RICH, Ph.D., Instructor in Philosophy

Since the philosopher raises fundamental questions about the universe, man and human institutions, and since he endeavors to correlate the various fields of knowledge in his search for the good, the true and the beautiful, philosophic study is peculiarly bound up with and dependent upon all other studies. According to which subdivision of the whole field of philosophy — ethics, logic, metaphysics, esthetics — particularly interests those majoring in the subject, one or another group of courses will be found especially valuable. Strongly recommended:

1) in connection with the study of *individual and social ethics* are certain courses in religion, psychology, anthropology, government and sociology;

2) in connection with the study of *logic*, courses in mathematics, statistics, scientific method and linguistics;

3) in connection with the study of *metaphysics*, courses in the sciences of inorganic and organic nature;

4) in connection with the study of *esthetics*, certain courses in music, fine arts, psychology, anthropology and the literatures, ancient and modern.

5) in connection with the study of the *history* of philosophic ideas, courses in the history of science and in political and social history.

So intimately connected with the subject-matter of philosophy is the subject-matter dealt with in such courses that, by special arrangement, a limited number of points, not exceeding 6, in related departments, may count toward the 28-point requirement for a major in philosophy.

This major may be in either one of two fields:

A — In general philosophy which will include Courses 1, 12, 61-62 and other courses to be arranged in consultation with the department;

or B — In esthetics which will include Courses 41-42, 45, 46, 61-62 and other courses to be arranged in consultation with the department.

(Note. A major in general philosophy will count in Group III. A major in esthetics will count in Group I. Since courses in esthetics are counted as part of a major in general philosophy, the 14-point requirement in Group I must be satisfied in other subjects. Since courses in general philosophy are counted as part of a major in esthetics, the 14-point requirement in Group III must be satisfied in other subjects. For all except major students courses in philosophy will count toward the 14-point requirement in the group indicated for each course by the statement made in connection with the point value.)

1 (or 2R) — INTRODUCTION TO PHILOSOPHY. A survey of the various subdivisions of philosophic inquiry with special consideration of the metaphysics of materialism and idealism and their respective affiliations with natural science and with religion.

3 points either session in Group III.

Winter session: 1 — M., W. and F. at 9 (I). PROFESSOR PARKHURST. M., W. and F. at 11 (II). PROFESSOR MONTAGUE. Tu., Th. and S. at 9 (III), for freshmen only. DR. RICH.

Spring session: 2R — M., W. and F. at 9 (I). PROFESSOR PARKHURST. Tu., Th. and S. at 9 (II), for freshmen only. DR. RICH.

4 — LOGIC, INDUCTIVE AND DEDUCTIVE. A survey of the principles of Aristotelian logic.

M., W. and F. at 10. 3 points in Group II or III.

PROFESSOR MONTAGUE.

12 — METAPHYSICS OF LIFE AND MIND. An examination of the metaphysical theory of vitalism, with some treatment of positivism and the related doctrine of pragmatism.

Prerequisite, Course 1 or the equivalent. M., W. and F. at 11. 3 points in Group III.

PROFESSOR MONTAGUE and DR. RICH.

21 — RADICAL AND CONSERVATIVE MORALS. A study of contemporary ideals of individual life and social institutions.

Open to juniors and to qualified sophomores on written permission of the department. M., W. and F. at 10. 3 points in Group III.

PROFESSOR MONTAGUE.

23, 24 — READINGS IN THE HISTORY OF ETHICS.

This course may be taken only in connection with Course 21. Hour to be arranged for individual conferences for the discussion of important texts. 2 points in Group III.

DR. RICH.

41-42 — GENERAL ESTHETICS. A survey of the main problems of esthetic theory including the origins of art, the nature of creative imagination and esthetic experience and the meaning of the beautiful, the sublime, the tragic and the comic. The arts will be treated comparatively for a distinguishing of their similarities and differences of medium, subject-matter and esthetic form and for a consideration of their relations to the experienced world and everyday living. Full-year course.

Open to juniors and seniors and to qualified sophomores on written permission of the department. Tu. and Th. at 9. 6 points in Group I.

PROFESSOR PARKHURST.

[45, 46 — THE ESTHETICS OF POETRY AND PROSE. *Winter session:* An introduction to the study of poetic rhythms and stanzaic patterns, with some consideration of the relations of poetry and music. *Spring session:* A study of prose rhythms and analysis of style with consideration of the similarities and differences between prose and poetry.

4 points in Group I. Not given in 1944-45.]

PROFESSOR PARKHURST.

53, 54 — PROSE AND POETRY OR OTHER PROBLEMS OF ESTHETICS.

This course may be taken only in connection with some other course in esthetics. Hour to be arranged for individual conferences for the discussion of important texts. 2 points in Group I.

PROFESSOR PARKHURST.

61-62 — THE HISTORY OF PHILOSOPHY. Full-year course.

Open to juniors and seniors and to qualified sophomores on written permission of the department. M., W. and F. at 9. 6 points in Group III.

PROFESSOR MONTAGUE and DR. RICH.

63, 64 — READINGS IN THE HISTORY OF PHILOSOPHY.

This course may be taken only in connection with some other course in philosophy. Hour to be arranged for individual or group conferences for the discussion of important texts. 2 points in Group III.

DR. RICH.

67 — SEVENTEENTH AND EIGHTEENTH CENTURY BRITISH PHILOSOPHY AND ITS INFLUENCE. This course is designed to give the student an acquaintance with the general background of seventeenth- and eighteenth-century British thought, with special emphasis on the development of the liberal tradition in politics, religion and ethics, and some knowledge of the influence of this tradition on French Philosophy and on the American democratic ideal. To this end Newton and Locke and a number of other British philosophers, and certain French thinkers including Montesquieu, Voltaire, Helvetius and Rousseau, are considered, as they affect the scientific world-picture and the developing belief in the natural rights of man.

Preceding or parallel, Philosophy 61-62, except by special permission. Tu. and Th. at 10 and a third hour to be arranged. 3 points in Group III.

DR. RICH.

70 — AMERICAN PHILOSOPHY. A brief development of the Puritan tradition in America and of the political philosophy out of which our institutions have grown will preface a consideration of the great schools of philosophy and their recent American representatives, especially Royce, James, Santayana, Dewey and the Neo-Realists.

Prerequisite, Courses 1 and 12, or 61-62, except by special permission. Tu. and Th. at 10 and a third hour to be arranged. 3 points in Group III.

DR. RICH.

[145 — THE MEDIEVAL SYNTHESIS. The philosophy of St. Thomas Aquinas, the Gothic Cathedral and the Divine Comedy considered as three great expressions of the medieval mind and as inter-related masterpieces in which ancient symbolism, the classical heritage and Christian doctrine were fused and harmonized.

Open to seniors and, on written permission, to qualified juniors. 3 points in Group I or III. Not given in 1944-45.]

PROFESSOR PARKHURST.

[168 — SPACE AND TIME. A study of these two all-embracing categories for their speculative interest in the context of religious and philosophic thought and for their imaginative and emotional significance in esthetic experience. The topics to be considered include problems of space and time in Greek, medieval and later philosophy; measurement of time in lunar and solar calendars associated, at the outset, with religious systems; and the expansion of spatial and temporal horizons resulting from a progressive recovery of the past, a more far-reaching anticipation of the future, and explorations of the earth and the heavens.

Open to seniors and, on written permission, to qualified juniors. 3 points in Group I or III. Not given in 1944-45.]

PROFESSOR PARKHURST.

PHILOSOPHY 91-92 — AMERICA AND THE FUTURE — SCHEMES FOR A BETTER WORLD.

This course may count toward a major in philosophy and in other subjects with the consent of the departments concerned. For full description see page 60. 4 or 6 points.

PROFESSOR PARKHURST and DR. RICH with the collaboration of PROFESSOR MONTAGUE and guest speakers.

See also *Medieval Studies*, page 60.

PHYSICAL EDUCATION

AGNES R. WAYMAN, Pd.D., Associate Professor of Physical Education, *Executive officer*

MARION STRENG, A.M., Assistant Professor of Physical Education

MARGARET HOLLAND, A.M., Assistant Professor of Physical Education

LELIA M. FINAN, A.M., Instructor in Physical Education

CORINNE BIZE, A.M., Instructor in Physical Education

FERN YATES, A.M., Instructor in Physical Education

—————, Instructor in Physical Education

Aims and objectives. — The program provides the students with wholesome activity while in college. In addition, however, the program will help the students not only in the cultivation of certain personal skills which will be useful to them as adults, but also in the acquisition of such habits and attitudes, such knowledge and appreciations as will tend to make them progressively more self-directing in all problems relating to health, recreation, leisure time pursuits and social relationships. Special emphasis will be placed upon the activities and exercises which particularly develop strength, endurance and control.

In addition to the medical certificate which the student presents before admission, a physical and medical examination at college is required of all students at entrance.

There is a prescribed dance and sports costume for all work, approximate cost, \$7; swimming suits, \$1.50. For further information inquire at Barnard Hall, Room 209.

A1 — RHYTHMIC AND SKILL FUNDAMENTALS, BODY MECHANICS AND CORRECTION OF REMEDIAL DEFECTS ARE STRESSED.¹ *Prescribed for Freshmen.*

M. and W. at 9 (I), at 10 (II), at 11 (III), at 2 (IV) at 3 (V) — 2 hours; plus Sports, Games or Aquatics, 1 hour, on Tu., Th. or F.

A2 — SPORTS, GAMES, DANCING, AQUATICS, INDIVIDUAL GYMNASTICS AND OTHER ACTIVITIES¹ including remedial and corrective work, preferably on M., W. and F. *Prescribed for all freshmen who have completed A1. 3 hours.*

A2R (same as A1). *Prescribed for freshmen entering in February. M. and W. at 3 plus a third hour. To be followed in the next term by:*

¹ See program in Barnard Hall.

A1R (same as A2). *Prescribed for freshmen entering in February.*

Students who fail to complete A1 or A2R whether for health or other reasons must consult Professor Wayman before registering for A2 or A1R.

As soon as possible after the medical and physical tests are completed, each freshman will be given a motor capacity test and a classification test in swimming. The test results will be used as a partial basis for deciding the type of physical activity in which the student will participate. A medical and physical examination and a swimming test will be required at the end of the spring session. This combined program forms an *orientation* course for freshmen. A syllabus is used and some outside reading is required.

A course in personal hygiene (*Hygiene A1-A2*) is also prescribed for freshmen (see page 109).

B1, B2 — SPORTS, GAMES, DANCING, AQUATICS, INDIVIDUAL GYMNASTICS AND OTHER ACTIVITIES,¹ including remedial and corrective work. *Prescribed for sophomores. 3 hours.*

The type of activity offered will vary with the season and a student's choice should be governed by her health status, her defects, her interests and her preferences. See *Syllabus* for full statement. *Sophomores are required to take three hours, two on Tu. and Th. and one on M., W. or F.*

C1, C2 — SPORTS, GAMES, DANCING, AQUATICS, GYMNASTICS AND OTHER ACTIVITIES,¹ to be elected in any authorized activity, depending upon the student's physical condition, her interests and her preferences. Specific activity will be prescribed only in special cases. *Prescribed for juniors. 2 hours.*

M. to F. inclusive at hours to be arranged on different days.

D1, D2 — SPORTS, GAMES, DANCING, AQUATICS, GYMNASTICS AND OTHER ACTIVITIES.¹ Substitution of approved activities will be allowed in special cases. *Prescribed for seniors. 2 hours.*

M. to F. inclusive at hours to be arranged on different days.

Students who are accelerating will be required to take physical education during their entire college course and in normal sequence, omitting the work of the last term (D2) or of the last two terms (D1 and D2) depending on whether they complete the work for the degree in three or three and a half years.

All Activities classes are arranged on skill levels, beginning, intermediate and advanced, and students should register accordingly.

Within the "time requirement," a group achievement plan has been set up. Students who fulfill these group requirements are excused from supervised activity during the last half of their senior year, provided they are in good physical condition and have no remediable defects. See *Syllabus* for full details.

¹ See program in Barnard Hall.

A course in *Rhythmic Analysis* designed to show the relationship between music and the dance will be offered in the winter session. (Consult Professor Streng.)

Students wishing to take up physical education as a profession are advised to consult Professor Wayman early in their college career. It is not possible to major in physical education, but a course of study can be planned which will help to shorten post-graduate study in that field.

An intensive course for future student counselors for Barnard College Camp will be given at Camp in June after College closes. (Consult Professor Holland.)

Interested students are urged to choose their electives accordingly for all of the above specialized interests.

The *Red Cross Life Saving Course* and tests will be given each session and may be counted as a regular elective.

Special attention will be given to the development of *student officials* for sports and games.

LEADERSHIP IN RECREATION

1a (or 2aR) — INTRODUCTORY COURSE. This course is planned to give students an intelligent understanding of the whole field of recreation in relation to leisure and the continually changing social and economic conditions in order to prepare them for social service as recreation aides. It will consist of lectures, discussion, practice and participation in such recreational activities as community music, simple arts and crafts, informal dramatics and story-telling, games and social activities.

M. and W. at 4 and 1 hour a week for field work. 2 points.

PROFESSORS HOLLAND and WAYMAN; Special lecturers from the departments of Sociology, Psychology, Music and English, and others.

Essential: For students who are interested in recreation as a *field of work*, the following courses are essential: *Sociology* 1-2, 11, 21, 22, 31, 32; *Psychology* 27, 28; *Physical Education* (Folk and Tap Dancing, Swimming, Sports and Games).

Recommended: *Music* 1-2; *Fine Arts* 1-2; *English* 15, 16, 21-22, 23-24; *Philosophy* 41-42; *Psychology* 37; *Red Cross Life Saving, First Aid, Camp Counselor* short courses given by the Department of Physical Education.

Also: participation in extra-curricular activities particularly as they give experience and practice in programs and activities related to social work.

101, 102 — DANCING, SPORTS, GAMES AND SWIMMING for women graduate students under the Faculties of Philosophy, Political Science and Pure Science, and women students in the professional schools of the University (excepting Teachers College). All regular sections are open provided the registration is not already filled by undergraduate students. Graduate students who wish credit must take work in classes in which instruction is given and should avoid "open hour" sections.

3 hours. 2 points.

PHYSICS

¹HENRY A. BOORSE, Ph.D., Associate Professor of Physics, *Executive officer*
 AGNES TOWNSEND, Ph.D., Lecturer in Physics.

A major in physics. — Students majoring in physics will be required to take:

Physics — Courses to be arranged in consultation with the department.

Other fields — Mathematics: through the differential and integral calculus and, if possible, differential equations. Two semesters of calculus should be completed by the beginning of the junior year.

Chemistry — one year's work.

A reading knowledge of French and German by graduation.

A course in the biological sciences is recommended.

11-12 — GENERAL PHYSICS. Full-year course.

Premedical students are advised to take the course for 9 points. Preceding or parallel, Mathematics 1 or 7-8. Open to all students. Lectures: M., W. and F. at 11. Laboratory: For students electing 8 points, 2 hours each session; for students electing 9 points, 2 hours winter session, 4 hours spring session. M., 2-4; Tu., 9-11, 2-4; Th., 1-3 and, if more than 56 students elect the course, F., 2-4. 8 or 9 points.

PROFESSOR BOORSE and DR. TOWNSEND.

17 — MODERN PHYSICS. An elementary survey of the development of atomic theory from Dalton up to the present time, with special emphasis on the Rutherford-Bohr atom and its modification as demanded by contemporary advances. A brief treatment is then given of ionization of gases, spectroscopy, photoelectricity, X-rays, radioactivity, isotopes, cosmic rays and transmutation of the elements.

Prerequisite, Course 11-12. M., W. and F. at 9. 3 points.

PROFESSOR BOORSE.

19 (or 20R) — PHOTOGRAPHY. The theories of optics as applied to photography and photomicrography. The principles of still and motion picture photography; infra-red, ultra-violet and X-ray photography. The theory of color photography.

Prerequisite, Course 11-12, except on written permission of the instructor.

Winter session only: 19 } Lecture (1 hour), Tu., 11-12 and laboratory (4
Spring session only: 20R } hours) on Th. or F. 3 points either session.

DR. TOWNSEND.

21 (or 22R) — RADIO AND ELECTRONICS. An elementary course dealing with the fundamentals of radio, the properties of vacuum tubes and their application in typical radio circuits.

Prerequisite, Course 11-12 or written permission of the department.

Winter session only: 21 } Lecture (1 hour), Th., 3-4 and laboratory (4
Spring session only: 22R } hours) Tu., 2-4 and Th., 1-3. 3 points either session.

DR. TOWNSEND.

¹ Absent on war service.

31 — MECHANICS.

Prerequisite, Course 11-12 and Mathematics 31, except on written permission of the department. M., W. and F. at 1 and 2 hours of laboratory work. 4 points.

DR. TOWNSEND.

34 — LIGHT.

Prerequisite, Course 11-12. M., W. and F. at 10 and 2 hours of laboratory work. 4 points.

DR. TOWNSEND.

36 — ELECTRICITY AND MAGNETISM.

Prerequisite, Course 11-12. M., W. and F. at 1 and 2 hours of laboratory work. 4 points.

PROFESSOR BOORSE OR DR. TOWNSEND.

37, 38 — SUPPLEMENTARY LABORATORY WORK in mechanics, heat, light or electricity, electronics and the properties of vacuum tubes may be arranged in consultation with the instructors.

Hours and credit by arrangement.

PROFESSOR BOORSE and DR. TOWNSEND.

40 — HEAT AND INTRODUCTION TO THERMODYNAMICS.

Prerequisite, Courses 31 and 36, except on written permission of the department. Preceding or parallel, Mathematics 31-32. Hours to be arranged. 4 points.

PROFESSOR BOORSE.

105, 106 — SELECTED TOPICS IN MODERN PHYSICS. A seminar course in mathematical physics open to those students who have completed the departmental offering, or to specially qualified students who wish to investigate in detail one field of physics or one line of current research.

Open only on written permission of the department. Hours to be arranged. 6 points.

PROFESSOR BOORSE OR DR. TOWNSEND.

PORTUGUESE

MARÍA DE LOURDES SA PEREIRA, A.M., Lecturer in Portuguese

1-2 — ELEMENTARY FULL-YEAR COURSE. Grammar, reading of Portuguese and Brazilian authors, oral reports and conversation.

This course may not be taken parallel to Italian 3-4 or Spanish 1-2. M., W. and F. at 3. 6 points.

MRS. SA PEREIRA.

PSYCHOLOGY

HARRY L. HOLLINGWORTH, Ph.D., LL.D., Professor of Psychology, *Executive officer*

¹RICHARD PARDEE YOUTZ, Ph.D., Assistant Professor of Psychology

¹ Absent on war service.

S. STANSFELD SARGENT, Ph.D., Assistant Professor of Psychology.
 GELOLO MCHUGH, Ph.D., Instructor in Psychology
 TOM GAYLORD ANDREWS, Ph.D., Instructor in Psychology
 LOIS S. ADAMS, Ph.D., Lecturer in Psychology

A major in psychology will satisfy the requirement in Group II. Students majoring in this subject must satisfy the 14-point requirement in Group III in subjects other than psychology. For other students, courses in psychology will count toward the requirement in the group indicated for each course by the statement made in connection with the point value.

A major in psychology. — Students majoring in psychology will be required to take:

Psychology — Courses 1 or 2R, 7-8, 58, and the additional points with the advice of the department.

Other fields — One course in philosophy (3 points); one year (8 points) in another laboratory science and an organized program in other fields to be arranged in consultation with the department.

Sequence of courses:

Courses 1 or 2R, 9, 11, 19 or 27, 24, 26, 28 make a good grouping for students interested in education.

Courses 1 or 2R, 9, 11, 19 or 27, 22, 24, 26, 28, 37 meet the interest of students in the social sciences, social work, business and practical affairs.

Courses 1 or 2R, 7-8, 9, 11, 19, 22, 48, 58 constitute a good background for more advanced work in psychology and related fields.

Psychology majors who wish to prepare for welfare work should consult the department for details of the special program of courses in psychology and sociology.

1 (or 2R) — INTRODUCTION TO PSYCHOLOGY. An introduction to the chief facts, principles and problems of normal adult psychology, through systematic study of a text, lectures, exercises and reading in special fields. This course is prerequisite for all other courses in psychology and in education.

4 points either session in Group III.

Winter session: 1 — M., W. and F. at 9 (I). DR. ANDREWS. M., W. and F. at 10 (II). PROFESSOR SARGENT. Tu., Th. and S. at 9 (III) for freshmen only. DR. ADAMS.

Spring session: 2R — M., W. and F. at 10 (I). PROFESSOR SARGENT. M., W. and F. at 11 (II). DR. MCHUGH. Tu., Th. and S. at 9 (III) for freshmen only. DR. ADAMS. Tu., Th. and S. at 10 (IV). DR. ANDREWS.

3 — ADJUSTMENT LABORATORY. Includes an analysis by objective tests and standard scales, of the aptitudes, interests, methods of study and other traits of each student, with a view to providing information that may be practically useful to the individual. Course may also include conferences for students who have difficulties in adjustment to problems of mental health, educational achievement, and vocational or avocational guidance. Recommended for students who have difficulty in choosing a field of major interest.

Hours to be arranged. No points credit.

DR. MCHUGH.

7-8 — EXPERIMENTAL PSYCHOLOGY. The course presents the chief problems, methods and results of experimental psychology. Each student conducts a series of typical individual experiments, participates in certain group experiments, prepares systematic reports of results, and is introduced to the literature of experimental psychology. Full-year course.

Prerequisite, Course 1 or the equivalent. (Written permission required for specific section.) 8 points in Group II.

W. and F., 1-4 (I) limited to 18 students. DR. ANDREWS.

W. and F., 1-4 (II) limited to 12 students. DR. ADAMS.

Tu. and Th., 2-5 (III) limited to 18 students. PROFESSOR SARGENT.

Tu. and Th., 2-5 (IV) limited to 12 students. DR. MCHUGH.

9 — PSYCHOMETRIC METHODS. Designed to acquaint students with quantitative methods in psychology and allied subjects. Topics included are a review of basic statistics, psychological scaling methods, statistical estimation and prediction, testing hypotheses, measuring reliability and validity, and theory of test construction.

Prerequisite, Course 7-8. No credit allowed students who have taken Economics 18. M., W. and F. at 10. 3 points in Group II.

DR. ANDREWS.

11 — PSYCHOLOGICAL TESTS. An introduction to standardized scales of mental measurement through demonstration of their nature, use and interpretation, and practice in their administration. Each student must arrange to bring at least one child to the college for examination for at least one afternoon laboratory period.

Prerequisite, Course 7-8. Tu. and Th. at 10 and M., 1-3. 3 points in Group II.

PROFESSOR HOLLINGWORTH.

19 — DEVELOPMENTAL PSYCHOLOGY. A survey of mental origins, of the developmental stages of human life through infancy, childhood, youth, maturity and old age, with special reference to biological, psychological and social factors in individual growth and adjustment and to the formulation of general developmental laws. Special reading will be directed toward the psychology of childhood and adolescence.

Open to juniors and seniors who have had Course 1 or the equivalent. Cannot be elected if Course 27 is taken. Tu. and Th. at 11. 3 points in Group II.

PROFESSOR HOLLINGWORTH.

22 — ABNORMAL PSYCHOLOGY. A general survey of the field of psychopathology, the history of the subject, the more common forms of mental inadequacy and disturbance and their psychological interpretation, including the principles of mental hygiene and psychotherapy.

Open to juniors and seniors who have had Course 19 or 27. Tu. and Th. at 11. 3 points in Group II.

PROFESSOR HOLLINGWORTH.

24 — APPLIED PSYCHOLOGY. Applications of psychology to problems of vocational guidance and selection, personnel, industrial efficiency, advertising

and selling, clinical work, detection and treatment of delinquents and criminals and other problems of practical interest.

Prerequisite, Course 1 or the equivalent. Tu. and Th. at 10. 2 points in Group II. PROFESSOR SARGENT.

26 — **PSYCHOLOGY OF PERSONALITY.** A survey of the contemporary methods and views of the description of the individual, including the factors in the development of personality and the practical aspects of personal adjustment in changing society. Attention is given to the contributions from experimental psychology.

Prerequisite, Course 1 or the equivalent. M. and W. at 9 and consultations in connection with work for the third point. 3 points in Group III.

DR. ANDREWS.

27 — **PSYCHOLOGY OF CHILDHOOD.** A detailed study of the practical problems of infancy and early childhood, with special emphasis on learning, emotional development, social adjustment, and modern conceptions and methods of child training and guidance. Individual work with children on a volunteer basis may be had at the Manhattanville Day Nursery, upon consultation with the instructor.

Prerequisite, Course 1 or the equivalent. Cannot be elected if Course 19 is taken. M., W. and F. at 10. 3 points in Group III.

DR. MCHUGH.

28 — **PSYCHOLOGY OF ADOLESCENCE.** The mental, social, moral and emotional development of adolescence and youth will be studied, special attention being given to such topics as guidance, adjustment, interests, motivation, home problems, sex relations, recreation, delinquency and development for citizenship. Individual work with adolescent children.

Prerequisite, Course 19 or 27. Not open for credit to students who have taken or plan to take Education 51ES, 52ES. M., W. and F. at 10. 3 points in Group III.

DR. MCHUGH.

37 — **SOCIAL PSYCHOLOGY.** How the developing individual becomes socialized; effect of social factors upon habits, motives, attitude and personality; influence of the group upon individual behavior; propaganda and public opinion; psychological aspects of social groups and institutions; psychological factors in social conflict. Significant research in the fields of psychology, sociology and anthropology is surveyed and evaluated.

Credit in either sociology or psychology. Prerequisite, Course 1 or 2R or Sociology 1-2. M., W. and F. at 3. 3 or, with additional conference hour to be arranged, 4 points in Group III.

PROFESSORS WALLER and SARGENT.

48 — **INDIVIDUAL PROJECTS.** Qualified students will be guided and supervised in special projects in mental testing or in the experimental investigation of approved problems.

Open on written permission of the instructor only to major students who have had Course 7-8. Hours to be arranged. 2 points in Group II.

PROFESSORS HOLLINGWORTH and SARGENT, DRs. MCHUGH, ANDREWS and ADAMS.

58 (old number 118) — **SYSTEMATIC PSYCHOLOGY.** A comparative, critical and historical survey of the more influential points of view in psychology, with an endeavor to organize them into a consistent system of facts and principles. The instructor reviews contemporary viewpoints on selected representative topics and each student makes and reports a critical examination of some one system or school of psychology.

Required of all major students and open only to those who have had Course 7-8. Tu. and Th. at 10 for lectures and discussions. 3 points in Group II.

PROFESSOR HOLLINGWORTH.

PUBLIC ADMINISTRATION. See *Government*.

RELIGION

§HORACE L. FRIESS, Ph.D., Associate Professor of Philosophy, *Executive officer*
URSULA M. NIEBUHR, M.A. (Oxon.), Lecturer in Religion

A major in religion. — Students majoring in religion will be required to take:

Religion — At least 16 points, composed normally of Courses 1, 2, 3, 4 taken as 3-point courses and Course 11, 12.

Other fields — *Philosophy* 61-62 and at least 6 further points to be chosen in consultation with the department from courses such as: *Anthropology* 14, *Fine Arts* 90, *History* 5, 6 and others in accordance with individual requirements.

Majors are also advised to consult with the department regarding the selection of courses outside these requirements, since work done in such fields as philosophy, psychology, anthropology, history, social sciences, literature and fine arts can be so chosen as to contribute substantially to the study of religion.

1, 2 — **THE BIBLE.** *Winter session:* The development of the religious ideas of the Old Testament, with reference both to the historical backgrounds and to the problems of expression involved. Study will be directed so that, in addition to the general survey, each student should have particular knowledge of the structure and contents of at least one historical book, one prophetic book and one poetic or wisdom book. *Spring session:* The thought and literature of the New Testament. The earliest records; a study of the Gospels in the making, and the content of the early preaching. St. Paul's letters; his theology and the development of the early church. The Book of Acts; the story of how the Gospel spread from Jerusalem to Rome. The Johannine Gospel and Epistles. The Gospel in a gentile world. Persecutions and heresies. Other New Testament writings.

Tu. and Th. at 11. 4 or, with written permission of the instructor, 6 points.
MRS. NIEBUHR.

§ Officer of Columbia University giving courses in Barnard College.

3, 4 — A STUDY OF RELIGIONS. What do we know of the rôle of religion in life? Forms which religion has taken in the past and is taking today will be illustrated and examined to clarify the general nature of religion and the diversity of its functions in the lives of individuals and societies. The relation of religious developments to one another and to various other phases of culture is studied in terms of modern knowledge. In the winter session illustrations will be drawn from both western and eastern cultures. This will be followed in the spring session of 1945 by more intensive study of religion in the historic civilizations of China and Japan, and in their contemporary relations to our world.

Open to all excepting freshmen. M. and W. at 3. 4 or, with written permission of the instructor, 6 points.

PROFESSOR FRIESS.

[5, 6 — THE HISTORICAL BACKGROUND AND EARLY DEVELOPMENT OF CHRISTIANITY.

4 or 6 points. Not given in 1944-45.]

MRS. NIEBUHR.

9, 10 — RELIGION AND CONTEMPORARY SOCIAL ISSUES. An analysis of the contemporary situation, with consideration of the religious factors involved. Issues in the interpretation of human nature, freedom and order from a religious viewpoint. Discussion will include the relation of religious forces and presuppositions to the development of nationalism and democracy; varying religious positions on problems of international relations and war, social and economic justice, and of race. Religion and the ethics of social change.

Open to all excepting freshmen. Tu. and Th. at 10. 4 or, with written permission of the instructor, 6 points.

MRS. NIEBUHR.

11, 12 — SPECIAL READING. A sequence of readings from a common list of basic books in the field of religion, and from important works bearing on the individual student's particular line of study in conjoined courses.

Required of majors in religion. Open to others by special permission only in connection with other work in religion. Conference hours to be arranged. 4 points.

PROFESSOR FRIESS and MRS. NIEBUHR.

RENAISSANCE STUDIES. See *Interdepartmental Courses*, page 61.

RUSSIAN

*Russian u1-u2 — Elementary Russian.

*Russian u2R — Elementary Russian.

*Russian u3-u4 — Intermediate Russian.

These and other courses in Russian language, history and culture are open to qualified Barnard students in special cases.

SEMITIC LANGUAGES

Courses in Hebrew and Arabic language, literature and history, given at Columbia University and described in the Announcement of the Division of Ancient and Oriental Languages and Literatures, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SLAVONIC LANGUAGES

Courses in various Slavonic languages, given at Columbia University and described in the Announcement of the Division of Modern Languages and Literatures and in the Announcement of University Classes, are, with the permission of the instructors and the Committee on Instruction of Barnard College, open to properly qualified seniors.

SOCIOLOGY. See *Economics and Sociology*, page 70.

SPANISH

AMELIA A. DE DEL RÍO, A.M., Assistant Professor of Spanish, *Executive officer*
 PETER M. RICCIO, Ph.D., Assistant Professor of Italian
 ANDRÉS IDUARTE, Lic. en D., Instructor in Spanish
 MARGARITA DACAL, A.M., Lecturer in Spanish

A major in Spanish. — Students majoring in Spanish will be required to take:

Spanish — Courses 3, 4 or 5, 6; 13, 14, 15-16, 21 (or 22), and 23 (or 24); and either 17-18 or a more advanced course to be chosen in consultation with the department.

Other fields — Courses will vary with the special interest of the student and should be arranged in consultation with the major department.

LANGUAGE COURSES

1-2 — ELEMENTARY FULL-YEAR COURSE. Grammar, reading, conversation.

This course may not be taken parallel to Italian 1-2 or Portuguese 1-2. M., W. and F. at 9 (I), at 11 (II), at 2 (III); Tu., Th. and F. at 3 (IV). 6 points.

PROFESSORS DEL RÍO and RICCIO and MRS. DACAL.

3, 4 — INTERMEDIATE COURSE. A rapid review of grammar and syntax, conversation, and reading and discussion of important works in Spanish and Spanish American literatures.

Prerequisite for Course 3, Course 1-2 or two years of high-school Spanish. Prerequisite for Course 4, Course 3 or three years of high-school Spanish. M., W. and F. at 9 (I), at 1 (II); M., W. and F. at 2 (III). 6 points.

PROFESSOR DEL RÍO, MR. IDUARTE and MRS. DACAL.

3R — INTERMEDIATE COURSE IN GRAMMAR AND COMPOSITION. PART II. The equivalent of Course 4 given for students who have had three years of high-school Spanish. Emphasis on oral self-expression and written translation.

M., W. and F. at 11. 3 points.

MRS. DACAL.

4a — ADVANCED COURSE IN GRAMMAR AND COMPOSITION. Emphasis on original writing of stories, short plays and essays.

Prerequisite, Course 3R or 4. M., W. and F. at 11. 3 points.

MRS. DACAL.

5, 6 — SPANISH COMPOSITION. Study of the style of modern authors, oral and written composition, and translation into Spanish.

Prerequisite, Course 3. Tu. and Th. at 11. 4 points.

MR. IDUARTE.

9-10 — ELEMENTARY SPANISH CONVERSATION. Full-year course.

Open only to students taking another Spanish course, either semester. Th. at 1 (I), at 3 (II). 2 points.

MRS. DACAL.

11-12 — ADVANCED SPANISH CONVERSATION. Discussions and reports on Spanish subjects. Full-year course.

Open only to students taking another Spanish course, either semester. Th. at 1. 2 points.

PROFESSOR DEL RÍO.

LITERATURE COURSES¹

13, 14 — THE CULTURE OF THE SPANISH COUNTRIES. *Winter session:* The history and culture of Spain. *Spring session:* The development of Spanish American culture.

Prerequisite, Course 3, 4 or 5, 6. Tu. and Th. at 10. 4 or, with written permission of the instructor, 6 points.

MR. IDUARTE.

15-16 — INTRODUCTION TO SPANISH LITERATURE. Lectures on the history of Spanish literature, reading, reports and discussion of the outstanding works and authors up to the end of the nineteenth century. Full-year course.

Prerequisite, Course 3, 4 or 3R, 4a or 5, 6. M., W. and F. at 10. 6 or, with written permission of the instructor, 8 points.

MR. IDUARTE.

17-18 — THE SPANISH DRAMA OF THE GOLDEN AGE. *Winter session:* Reading and discussion of the medieval antecedents and the sixteenth-century theatre, including Lope de Vega. *Spring session:* The theatre after Lope de Vega, with emphasis on Calderón. Full-year course.

Prerequisite, Course 15-16. M., W. and F. at 1. 6 points.

PROFESSOR DEL RÍO.

¹ All courses are conducted entirely in Spanish.

22 (or 21) — CONTEMPORARY SPANISH LITERATURE.

Prerequisite, Course 13, 14 or 15-16. Tu. and Th. at 9 and a third hour for conferences. 3 points.

PROFESSOR DEL RÍO,

23 (or 24) — SPANISH AMERICAN LITERATURE.

Prerequisite, Course 13, 14 or 15-16 except on written permission of the department. Tu. and Th. at 9. 3 points.

MR. IDUARTE.

GRADUATE COURSES ¹

Certain graduate courses given at Columbia University are open with the consent of the department and the Committee on Instruction of Barnard College to specially qualified seniors. A description of these courses will be found in the Announcement of the Division of Modern Languages and Literatures.

ZOÖLOGY

LOUISE HOYT GREGORY, Ph.D., Professor of Zoölogy, *Executive officer*
 FLORENCE DE LOISELLE LOWTHER, Ph.D., Associate Professor of Zoölogy
 JOHN A. MOORE, Ph.D., Assistant Professor of Zoölogy
 GRACE SPRINGER FORBES, Ph.D., Instructor in Zoölogy

A major in zoölogy. — Students majoring in zoölogy will be required to take:

Zoölogy — Course 1-2 and other courses in combination or in sequence which will vary with the individual interest and purpose of the student and should be arranged in consultation with the department.

Other fields — The work will vary with the special interest of the student and should be arranged in consultation with the major department.

1-2 — GENERAL BIOLOGY AND GENERAL ZOÖLOGY. Full-year elementary course.

Lectures: Tu. and Th. at 2. Laboratory (4 hours): Tu. and Th., 9-11 or 10-12 or 3-5, or W. and F., 2-4. 8 points.

PROFESSOR MOORE and MISSES DOLE, GREVATT, NORTON and MILLS.

5 — EVOLUTION OF MAN.

Prerequisite, Course 1-2. Tu. and Th. at 10. 2 points.

PROFESSOR LOWTHER.

9-10 — HUMAN BIOLOGY. An elementary course designed especially for students whose interests are not primarily zoölogical. Full-year course.

Open to students of all classes. Will not satisfy the requirement of a laboratory science. Lectures: Tu. and Th. at 2. Conferences and demonstrations: F., 2-4. 6, or, if preceded or followed by 1-2, 4 points.

PROFESSOR LOWTHER.

13 — HISTOLOGY AND HISTOLOGICAL METHODS.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory and conferences (6 hours): M. and W., or Tu. and Th., 2-5. 5 points.

DR. FORBES.

¹ All courses are conducted entirely in Spanish.

14 — EMBRYOLOGY AND EMBRYOLOGICAL METHODS.

Prerequisite, Course 1-2. Lectures: Tu. and Th. at 11. Laboratory: For students taking 3 points (2 hours), W., 2-4; for students taking 5 points (6 hours), Tu. and Th., 2-5. 3 or 5 points, to be arranged with the department before registration.

DR. FORBES.

[15 — BIOLOGY OF PARASITES WITH EMPHASIS ON THE FORMS AFFECTING MAN.

Prerequisite, Course 1-2. Lecture (2 hours). Laboratory (2 hours). 3 points. Not given in 1944-45.]

PROFESSOR LOWTHER.

30 — BIOLOGY OF THE ENDOCRINE ORGANS. The structure, embryology and evolutionary history of the endocrine glands with special emphasis on their control of development.

Prerequisite, Courses 1-2 and 13 and Chemistry 5-6. Preceding or parallel, Course 14. Open to seniors and to qualified juniors on written permission of the department. Tu. and Th. at 9 and a third hour to be arranged for conferences and demonstrations. 3 points.

DR. FORBES.

97-98 — COMPARATIVE MORPHOLOGY AND PHYSIOLOGY OF VERTEBRATES. Practical course in dissection and experimentation, with special reference to the mammalia. Recommended for pre-medical students and technicians. Full-year course.

Prerequisite, Course 1-2 and Chemistry 5-6. By special permission, qualified students may take the anatomy or the physiology only for 6 points. Lectures: M., W. and F. at 10. Laboratory (6 hours): M. and W., 2-5 or Tu. and Th., 2-5. 12 points.

PROFESSORS GREGORY and LOWTHER and MISS GREVATT.

122 — ANIMAL ECOLOGY. A study of the interrelation between the organism and its environment. The field work will consist of a study of the local marine, terrestrial, and fresh water habitats.

Prerequisite, Course 1-2. Lectures: W. and F. at 11. Laboratory and field trip hours to be arranged. 4 points.

PROFESSOR MOORE.

[151 — PHYSIOLOGY. General principles of animal physiology.

Prerequisite, Course 1-2 and Chemistry 5-6. Open to seniors. 6 points. Not given in 1944-45.]

PROFESSOR GREGORY.

161, 162 — ADVANCED INVERTEBRATE AND VERTEBRATE MORPHOLOGY, PHYSIOLOGY, HISTOLOGY AND EMBRYOLOGY.

Work will be planned to suit the needs of students after consultation with the instructors. Hours and credit by arrangement.

PROFESSORS GREGORY, LOWTHER and MOORE and DR. FORBES.

SCHEME OF

Hours	MONDAY	TUESDAY	WEDNESDAY
A.M.	Botany 57 Chemistry 41-42 Chemistry 42a Economics 1-2 (IV) English 53, 54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) French 13, 14 French 17, 18 German 1-2 (I) German 3, 4 (I) Government 1, 2 History 1-2 (I) History 5, 6 Latin 3, 4 Latin 21, 22 Mathematics 1, 22 (I) Mathematics 2R (II) Mathematics 21R (I) Mathematics 32R (I) Mathematics 33 Philosophy 1 (I) or 2R (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I)	Botany 51-52 Economics 15, 16 English 25-26 French 3, 4 (II) French 5x, 6x (IV) Geography 1-2 German 1-2 (III, IV) History 37, 38 Italian 13, 14 Latin 25, 26 Mathematics 7-8 (II, III) Philosophy 1 (III) or 2R (II) Philosophy 41-42 Psychology 1 (III) or 2R (III) Spanish 22 (or 21) Spanish 23 (or 24) Zoology 30	Botany 57 Chemistry 41-42 Chemistry 42a Economics 1-2 (IV) English 53, 54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) French 13, 14 French 17, 18 German 1-2 (I) German 3, 4 (I) Government 1, 2 History 1-2 (I) History 5, 6 Latin 3, 4 Latin 21, 22 Mathematics 1, 22 (I) Mathematics 2R (II) Mathematics 21R (I) Mathematics 32R (I) Mathematics 33 Philosophy 1 (I) or 2R (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Psychology 26 Spanish 1-2 (I) Spanish 3, 4 (I)
9	Chemistry 63, 64 Chemistry 106 Economics 1-2 (I) Economics 19, 20 English A (1a, b, c) English 59, 60 English 77, 78 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geology 5, 12 German 7, 8 Greek, 11, 12 History 9, 10 History 25, 26 Mathematics 31-32 *Music 37-38 Philosophy 4 Philosophy 21 Physics 34 Psychology 1 (II) or 2R (I) Psychology 9 Psychology 27, 28 Spanish 15-16 Zoology 97-98	Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (IVa) English 3, 4 English 69, 70 Fine Arts 1-2 Fine Arts 62 French 9, 10 German 9, 10 Government 11, 12 History 17, 18 History 33-34 Philosophy 67, 70 Psychology 2R (IV) Psychology 11 Psychology 24 Psychology 58 Religion 9, 10 Spanish 13, 14 Zoology 5	Chemistry 63, 64 Chemistry 106 Economics 1-2 (I) Economics 19, 20 English A (1a, b, c) English 59, 60 English 77, 78 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geology 5, 12 German 7, 8 Greek 11, 12 History 9, 10 History 25, 26 Mathematics 31-32 *Music 37-38 Philosophy 4 Philosophy 21 Physics 34 Psychology 1 (II) or 2R (I) Psychology 9 Psychology 27, 28 Spanish 15-16 Zoology 97-98
10	Anthropology 107, 108 Botany 53-54 Chemistry 145 Chemistry 150 Economics 27, 28 Economics 30 English 1, 2 English 21-22 (I) English 39 English 73, 74 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 27, 28 French 125-126 German 3, 4 (II) German 5, 6 Government 3, 4 History 1-2 (II, III, IV) Italian 15, 16 Mathematics 31R, 34R Mathematics 133, 134 Philosophy 1 (II) Philosophy 12 Physics 11-12 Psychology 2R (II) Sociology 1-2 Spanish 1-2 (II) Spanish 3R, 4a	*Astronomy 1-2 Botany 58 Classical Civilization 55, 56 Economics 1-2 (III) Economics 13, 14 English A (Va) English 67, 68 Fine Arts 65, 66 French 5, 6 (III) French 34a Geology 1, 2 German 45, 46 Government 10 Government 31 Greek 25, 26 History 1-2 (V, VI) Hygiene A1-A2 (I) Mathematics 2R (I) Mathematics 23 (I, II) Music 1-2 *Music 23-24 Physics 19 (or 20R) Psychology 19, 22 Religion 1, 2 Spanish 5, 6 Zoology 13, 14	Anthropology 107, 108 Botany 53-54 Chemistry 145 Chemistry 150 Economics 27, 28 Economics 30 English 1, 2 English 21-22 (I) English 39 English 73, 74 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 27, 28 French 125-126 German 3, 4 (II) German 5, 6 Government 3, 4 History 1-2 (II, III, IV) Italian 15, 16 Mathematics 31R, 34R Mathematics 133, 134 Philosophy 1 (II) Philosophy 12 Physics 11-12 Psychology 2R (II) Sociology 1-2 Spanish 1-2 (II) Spanish 3R, 4a Zoology 122
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Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
A.M.	Botany 51-52 Economics 15, 16 English 25-26 French 3, 4 (II) French 5x, 6x (IV) Geography 1-2 German 1-2 (III, IV) History 37, 38 Italian 13, 14 Latin 25, 26 Mathematics 7-8 (II, III) Philosophy 1 (III) or 2R (II) Philosophy 41-42 Psychology 1 (III) or 2R (III) Spanish 22 (or 21) Spanish 23 (or 24) Zoology 30	Chemistry 41-42 Chemistry 42a Economics 1-2 (IV) English 53, 54 French 1-2 French 5, 6 (I) French 5x, 6x (I) French 7, 8 (I) French 13, 14 German 1-2 (I) German 3, 4 (I) Government 1, 2 History 1-2 (I) History 5, 6 Latin 3, 4 Latin 21, 22 Mathematics 1, 22 (I) Mathematics 2R (II) Mathematics 21R (I) Mathematics 32R (I) Mathematics 33 Philosophy 1 (I) or 2R (I) Philosophy 61-62 Physics 17 Psychology 1 (I) Spanish 1-2 (I) Spanish 3, 4 (I)	French 3, 4 (II) French 5x, 6x (IV) Mathematics 7-8 (II, III) Philosophy 1 (III) or 2R (II) Psychology 1 (III) or 2R (III)
9			
10	Chemistry 5-6 Classical Civilization 49, 50 Economics 17, 18 English A (IVa) English 3, 4 Fine Arts 1-2 Fine Arts 62 French 9, 10 German 9, 10 Government 11, 12 History 17, 18 History 33-34 Philosophy 67, 70 Psychology 2R (IV) Psychology 11 Psychology 24 Psychology 58 Religion 9, 10 Spanish 13, 14 Zoology 5	Chemistry 63, 64 Chemistry 106 Economics 1-2 (I) Economics 19, 20 English A (Ia, b, c) English 59, 60 English 69, 70 English 77, 78 Fine Arts 41 Fine Arts 67 (I) Fine Arts 90 French 5x, 6x (II) French 7, 8 (II, III) French 21-22 French 23-24 Geology 5, 12 German 7, 8 Greek 11, 12 History 9, 10 History 25, 26 Mathematics 31-32 *Music 37-38 Philosophy 4 Philosophy 21 Physics 34 Psychology 1 (II) or 2R (I) Psychology 9 Psychology 27, 28 Sociology 1-2 Spanish 15-16 Zoology 97-98	Chemistry 5-6 English A (IVa) Psychology 2R (IV)
11	*Astronomy 1-2 Botany 58 Classical Civilization 55, 56 Economics 1-2 (III) Economics 13, 14 English A (Va) English 67, 68 Fine Arts 65, 66 French 5, 6 (III) French 34a Geology 1, 2 German 45, 46 Government 10 Government 31 Greek 25, 26 History 1-2 (V, VI) Mathematics 2R (I) Mathematics 23 (I, II) Music 1-2 Music 1a *Music 23-24 Psychology 19, 22 Religion 1, 2 Spanish 5, 6 Zoology 13, 14	Anthropology 107, 108 Chemistry 145 Chemistry 150 Economics 27, 28 Economics 30 English 1, 2 English 21-22 (I) English 39 English 73, 74 Fine Arts 67 (II) French 5, 6 (II) French 5x, 6x (III) French 125-126 German 3, 4 (II) German 5, 6 Government 3, 4 Greek 21, 22 History 1-2 (II, III, IV) Hygiene A1-A2 (IV) Italian 15, 16 Mathematics 31R, 34R Mathematics 133, 134 Philosophy 1 (II) Philosophy 12 Physics 11-12 Psychology 2R (II) Sociology 1-2 Spanish 1-2 (II) Spanish 3R, 4a Zoology 122	English A (Va) French 5, 6 (III) History 1-2 (V, VI) Mathematics 2R (I) Mathematics 23 (I, II)

those marked with a dagger [†] are given at Teachers College.

SCHEME OF

Hours	MONDAY	TUESDAY	WEDNESDAY
P.M.	Anthropology 3, 4 Botany 60 Botany 151-152 English A (IIa, b) English 21-22 (II) English 61-62 French 3R (I) French 6R French 6xR (I) French 11, 12 French 35, 36 Geology 19, 28 German 1-2 (II) German 3R, 4a Government 23, 24 History 13, 14 History 21-22 Italian 3-4 Latin 11, 12 Mathematics 7-8 (I) Mathematics 107, 108 Music 31-32 Physics 31 Physics 36 Psychology 11 Spanish 3, 4 (II) Spanish 17-18		Anthropology 3, 4 Botany 151-152 English A (IIa, b) English 21-22 (II) English 61-62 French 3R (I) French 6R French 6xR (I) French 11, 12 French 35, 36 Geology 19, 28 German 1-2 (II) German 3R, 4a History 13, 14 History 21-22 Italian 3-4 Latin 11, 12 Mathematics 7-8 (I) Mathematics 107, 108 Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, II) Spanish 3, 4 (II) Spanish 17-18
1:10			
2:10	Archaeology 72 Chemistry 105, 146 Economics 1-2 (II) Economics 23, 24 †Education 51ES, 52ES English A (IIIa, b, c) English 27, 28 English 65, 66 Fine Arts 75, 76 French 3, 4 (I) French 3R (II) French 6xR (II) German 27, 36 Government 23, 24 Government 71, 72 Greek 1-2 Italian 19, 20 Latin 1-2 Mathematics 29 Mathematics 56 Music 15, 16 *Music 35-36 *Music 53, 54 Psychology 11 Sociology 12 Sociology 15 Spanish 1-2 (III) Spanish 3, 4 (III)	Classical Civilization 53, 54 *Drawing u11-u12 (I) Economics 4 †Education 53ES, 54ES English 23-24 English 71, 72 Fine Arts 51, 52 Greek 1-2 History 11, 12 Hygiene A1-A2 (II) *Music 57, 58 Psychology 7-8 (III, IV) Sociology 31, 32 Zoology 1-2 Zoology 9-10	Archaeology 72 Chemistry 105, 146 Economics 1-2 (II) Economics 23, 24 †Education 51ES, 52ES English A (IIIa, b, c) English 27, 28 English 65, 66 Fine Arts 75, 76 French 3, 4 (I) French 3R (II) French 6xR (II) German 27, 36 Greek 1-2 Italian 19, 20 Italian 23 Latin 1-2 Mathematics 29 Mathematics 56 Music 15, 16 *Music 131-132 Psychology 7-8 (I, II) Sociology 12 Sociology 15 Spanish 1-2 (III) Spanish 3, 4 (III)
3:10	Botany 59 English 15, 16 Government 71, 72 Mathematics 21R (II), 22 (II) Mathematics 32R (II) Music 1b or 2bR *Music 39-40 *Music 53, 54 Portuguese 1-2 Psychology 37 Religion 3, 4	*Drawing u11-u12 (I) English 91, 92 (I) Geology 7, 8 Government 7, 8 Latin 19-20 *Music 13-14 Psychology 7-8 (III, IV) Sociology 31, 32 Spanish 1-2 (IV)	Anthropology 5, 6 Botany 59 †Education 51ES, 52ES English 15, 16 English 91, 92 (II) Mathematics 21R (II), 22 (II) Mathematics 32 (II) *Music 131-132 Portuguese 1-2 Psychology 7-8 (I, II) Psychology 37 Religion 3, 4
4:10	Government 25, 26 *Greek 101, 102 *Music 63, 64 (I) *Music 133-134 Recreational Leadership 1a (2aR)	*Drawing u11-u12 (II) English 11, 12 (4-5:50) English 91, 92 (I) Government 7, 8 *Music 13-14 Psychology 7-8 (III, IV)	Anthropology 5, 6 Economics 51, 52 English 15, 16 English 91, 92 (II) *Greek 101, 102 *Music 75-76 Recreational Leadership 1a (2aR)
5:10	Choir practice Glee Club (5-6:15) Government 25, 26 *Music 63, 64 (I) *Music 133-134	†Drawing u11-u12 (II) English 11, 12 (4-5:50)	Choir practice Economics 51, 52 *Music 75-76

Courses marked with an asterisk [*] are given at Columbia University;

ATTENDANCE

Hours	THURSDAY	FRIDAY	SATURDAY
P.M.	Economics 1-2 (III) French 7, 8 Geography 1-2 Hygiene A1-A2 (III) Italian 11, 12 Latin 29-30 Music 1-2 *Music 23-24 Sociology 21, 22 Spanish 9-10 (I) Spanish 11-12	Anthropology 3, 4 Chemistry 5-6 Chemistry 65, 66 English A (IIa, b) English 21-22 (II) English 61-62 French 3R (I) French 6R French 6xR (I) French 11, 12 French 35, 36 Geology 19, 28 German 1-2 (II) German 3R, 4a History 13, 14 History 21-22 Italian 3-4 Latin 11, 12 Mathematics 7-8 (I) Mathematics 107, 108 Music 31-32 Physics 31 Physics 36 Psychology 7-8 (I, II) Spanish 3, 4 (II) Spanish 17-18	
1:10			
	Classical Civilization 53, 54 *Drawing u11-u12 (I) Economics 4 †Education 53ES, 54ES English 23-24 English 71, 72 English 91, 92 (III) Fine Arts 51, 52 Greek 1-2 History 11, 12 History 17, 18 *Music 57, 58 *Music 71-72 Psychology 7-8 (III, IV) Sociology 21, 22 Zoology 1-2 Zoology 9-10	Chemistry 105, 146 Economics 1-2 (II) Economics 23, 24 English A (IIIa, b, c) English 27, 28 English 65, 66 French 3, 4 (I) French 3R (II) French 6xR (II) German 1-2 (III, IV) Greek 1-2 Italian 19, 20 Italian 23 Latin 1-2 Mathematics 29 Mathematics 56 Music 15, 16 *Music 35-36 Psychology 7-8 (I, II) Sociology 12 Sociology 15 Spanish 1-2 (III) Spanish 3, 4 (III)	
2:10			
	*Drawing u11-u12 (I) †Education 53ES, 54ES English 23-24 English 71, 72 English 81 English 91, 92 (III) Geology 7, 8 Government 10 Government 31 *Music 71-72 Physics 21 (or 22R) Psychology 7-8 (III, IV) Spanish 1-2 (IV) Spanish 9-10 (II)	Fine Arts 67 (I, II) Mathematics 21R (II), 22 (II) Mathematics 32R (II) *Music 109, 110 Philosophy 91, 92 Portuguese 1-2 Psychology 7-8 (I, II) Psychology 37 Spanish 1-2 (IV)	
3:10			
	*Drawing u11-u12 (II) English 81 Government 31 History 45, 46 Psychology 7-8 (III, IV)	*Music 109, 110 Philosophy 91, 92	
4:10			
	*Drawing u11-u12 (II) *Latin 139-140	Choir practice	
5:10			

those marked with a dagger [†] are given at Teachers College.

ACADEMIC CALENDAR

1944-1945

1944

- June 9 — Friday and
 June 12 — Monday. Registration for Barnard Section of the Summer Session of Columbia University.
- June 12 — Monday. Classes begin.
- July 3 — Monday. Forty-fifth Summer Session of Columbia University begins.
- July 24 — Monday. Registration for second half of Barnard Section of the Summer Session of Columbia University.
- July 24 — Monday. Classes begin.
- Aug. 1 — Tuesday. Last day for filing applications for deficiency examinations.
 The privilege of later application may be granted on payment of a fee of \$5.
- Aug. 11 — Friday. Forty-fifth Summer Session ends.
- Sept. 6 — Wednesday. Entrance tests of the College Entrance Examination Board.
- Sept. 18 — Monday. Deficiency examinations begin.
- Sept. 22 — Friday. Registration (including the payment of fees) begins.
- Sept. 26 — Tuesday. Registration ceases for Barnard students previously matriculated.
 The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 27 — Wednesday. Winter Session, fifty-sixth year, begins.
 Registration ceases for students matriculating for the first time.
 The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 28 — Thursday. Classes begin.
- Oct. 17 — Tuesday. Stated meeting of University Council.
- Nov. 7 — Tuesday. Election Day. Holiday.
- Nov. 28 — Tuesday. Annual Thanksgiving Service in St. Paul's Chapel.
- Nov. 30 — Thursday. Thanksgiving Day. Holiday.
- Dec. 2 — Saturday. Entrance tests of the College Entrance Examination Board.
- Dec. 19 — Tuesday. Stated meeting of University Council.
- Dec. 20 — Wednesday
 to
- 1945
- Jan. 2 — Tuesday, inclusive. Christmas holidays.
- Jan. 14 — Sunday. Annual Commemoration Service in St. Paul's Chapel.
- Jan. 22 — Monday. Mid-year examinations begin.
- Feb. 2 — Friday and

- Feb. 5 — Monday. Registration for students who have been in attendance during the Winter Session and whose programs have been approved.
The privilege of later registration may be granted on payment of a fee of \$5.
- Feb. 6 — Tuesday.
Registration for students matriculating for the first time and for students who have been in attendance during the Winter Session and whose registration is deferred to this date by ruling of the Committee on Students' Programs.
The privilege of later registration may be granted on payment of a fee of \$5.
- Feb. 7 — Wednesday. Classes begin.
- Feb. 12 — Monday. Alumnae Day. Not a University holiday.
- Feb. 20 — Tuesday. Stated meeting of University Council.
- Feb. 22 — Thursday. Washington's Birthday. Holiday.
- March 1 — Thursday. Last day for filing applications for non-competitive scholarships, grants-in-aid, and residence grants.
- March 25 — Sunday
to
- April 1 — Sunday, inclusive. Easter holidays.
- April 7 — Saturday. Admission and scholarship tests conducted by the College Entrance Examination Board.
- April 17 — Tuesday. Stated meeting of University Council.
- May 21 — Monday. Final examinations begin.
- May 30 — Wednesday. Memorial Day. Not a University holiday.
- June 2 — Saturday. Entrance tests of the College Entrance Examination Board.
- June 3 — Sunday. Baccalaureate Service.
- June 5 — Tuesday. Conferring of degrees.
- June 13 — Wednesday. Spring Session ends.
- July 2 — Monday. Forty-sixth Summer Session of Columbia University begins.
- Aug. 1 — Wednesday. Last day for filing applications for deficiency examinations.
- Aug. 10 — Friday. Forty-sixth Summer Session ends.
- Sept. 5 — Wednesday. Entrance tests of the College Entrance Examination Board.
- Sept. 17 — Monday. Deficiency examinations begin.
- Sept. 21 — Friday. Registration (including the payment of fees) begins.
- Sept. 25 — Tuesday. Registration ceases for Barnard students previously matriculated.
The privilege of later registration may be granted on payment of a fee of \$5.
- Sept. 26 — Wednesday. Winter Session, fifty-seventh year, begins.
Registration ceases for students matriculating for the first time. The privilege of later registration may be granted on payment of a fee of \$5.

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